

RI Coastal Resources Management Plan

MANAGEMENT PROCEDURES

Item 4.A

Section 3. Subcommittees

The Chairman of the Council shall establish standing subcommittees with varying functions as approved by the Council. In the absence of the Chairman, the Vice Chairman may establish these Subcommittees. There is hereby established a standing Ocean subcommittee to hear all contested cases resulting from the implementation of the Council's Ocean Special Area Management Plan.

The Chairman, or in his absence the Vice Chairman, shall authorize and appoint a subcommittee to hear contested cases as defined herein. The Chairman and Vice Chairman shall sit ex-officio on all subcommittees, including contested cases. Hearing Subcommittees shall consist of all Council members who attend the initial Subcommittee meeting and all subsequent meetings of Subcommittee.

Only those Subcommittee members who have attended all meetings of ~~the~~ the hearing Subcommittee may vote on the Subcommittee recommendation.

Item 4.B

DEFINITIONS

Section 1.2 Contested case: means a proceeding in which the legal rights, duties or privileges of a specific party are required to be determined by the Council after an opportunity for hearing. A proceeding before the Council shall be considered contested when a ~~substantive~~ formal written objection and/or request for hearing is received by the Council from any interested party and said formal written objection and/or request for hearing is substantiated by genuine and material reason as outlined in Section 110.3 of the RICRMP. Further, a proceeding shall be considered contested upon request for hearing by any four members of the Council.

Proposed "Redbook" Revisions

Section 110.3 Substantive Objections

Item 5.A

A. Substantive objections are defined by one or more of the following:

- (1) threat of direct loss of property of the objector(s) at the site in question;
- (2) direct evidence that the proposed alteration or activity does not meet all of the policies, prerequisites, and standards contained in applicable sections of this document;
- (3) evidence is presented which demonstrates that the proposed activity or alteration has a potential for significant adverse impacts on one or more of the following descriptors of the coastal environment: (a) circulation and/or flushing patterns; (b) sediment deposition and erosion; (c) biological communities, including vegetation, shellfish and finfish resources, and wildlife habitat; (d) areas of historic and archaeological significance; (e) scenic and/or recreation values; (f) water quality; (g) public access to and along the shore; (h) shoreline erosion and flood hazards; or 4) evidence that the proposed activity or alteration does not conform to state or duly adopted municipal development plans, ordinances, or regulations.

B. Such objections shall further be determined to be substantive by the Chairman, or in his absence the Vice Chairman, the Executive Director and the Council's Legal Counsel in their discretion using the above as evaluation criteria.

Freshwater Wetlands in the Vicinity of the Coast

Item 5.B

(See proposed revisions on the following pages)

STATE OF RHODE ISLAND
COASTAL RESOURCES MANAGEMENT COUNCIL
Coastal Resources Management Program

DRAFT – October 12, 2010 – track-changes version

Rules and Regulations
Governing the Protection and Management of
Freshwater Wetlands in the Vicinity of the Coast



Adopted pursuant to Chapter 46-23 of the Rhode Island General Laws

State of Rhode Island and Providence Plantations
Coastal Resources Management Council

AUTHORITY: These regulations are authorized pursuant to R.I. Gen. Laws Chapter 46-23-6, as amended, and have been promulgated pursuant to the procedures set forth in the R.I. Administrative Procedures Act, R. I. Gen. Laws Chapter 42-35.

Coastal Resources Management Council

Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast

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Rule 1.00 - ~~Introduction~~ Authority and Purpose

1.01 These Rules and Regulations (*Rules*) are promulgated by the Coastal Resources Management Council (CRMC) pursuant to the requirements and provisions of Chapter 46-23-6 of the Rhode Island General Laws (R.I.G.L.), as amended, ~~to preserve, protect, and/or restore the purity and integrity of the freshwater wetlands of the State of Rhode Island located in the vicinity of the coast, area(s) of land within fifty feet (50), riverbanks, and flood plains, so that the freshwater wetlands shall be available for all beneficial uses and thus protect the health, welfare, and general well being of the general populace and the environment of the State.~~

~~These regulations are promulgated to administer and enforce chapter 46-23 of the General Laws of Rhode Island, as amended.~~

1.02 The CRMC shall be responsible for the protection and management of *freshwater wetlands in the vicinity of the coast* as depicted on maps maintained on file at the offices the CRMC and Rhode Island Department of Environmental Management (DEM), and the municipal offices of each coastal city or town. The CRMC may at any time, when necessary, consult with and/or coordinate its responsibilities and duties with the DEM.

1.03 These Rules are promulgated by the CRMC to:

- A. Administer and enforce Chapter 46-23-6 of the R.I.G.L., as amended, in regard to *freshwater wetlands* in the vicinity of the coast; and
- B. Preserve, protect, and restore the purity and integrity of all *freshwater wetlands* located in the vicinity of the coast within the State of Rhode Island so that these freshwater wetlands shall be available for all beneficial purposes, and thus protect the health, welfare, and general well being of the people and the environment of Rhode Island.

1.04 These Rules supersede all previous *Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast* adopted by the CRMC pursuant to R.I.G.L. § 46-23-6.

Rule 2.00 - ~~Authority and General Administration~~ Administrative Findings

2.01 These Rules and Regulations are adopted pursuant to chapter 46-23 of the General Laws of Rhode Island, as amended. The declarations of intent and public policy enumerated by the General Assembly in R.I.G.L. §§ 2-1-18 and 2-1-19 (Freshwater Wetlands Act) are hereby adopted as the administrative findings upon which these *Rules* are based.

2.02 The CRMC shall be responsible for the protection and management of freshwater wetlands in the vicinity of the coast, area(s) of land within fifty feet (50), riverbanks, and flood plains, as depicted on maps maintained on file at the offices the CRMC and Rhode Island Department of Environmental Management (DEM), and the municipal offices of each coastal city or town. The CRMC may at any time, when necessary, consult with and/or coordinate its responsibilities and duties with the DEM. Consistent with these declarations, the CRMC makes the following findings:

- A. *Freshwater wetlands* are ecological systems performing functions that directly benefit the health, welfare and general well being of people and the environment.
- B. Any such *freshwater wetland* functions as an integrated ecological system, no portion or component of which is less worthy of regulatory protection than the wetland as a whole. *Riverbank* and areas of

land within 50 feet (*perimeter wetlands*) are important integral components of the *flowing body of water*, or the *swamp, marsh, bog, pond* with which they are associated.

C. *Freshwater wetlands* perform specific functions and support specific values, including but not limited to the following:

- 1) *Wildlife and Wildlife Habitat: Freshwater wetlands* are important areas for the production and maintenance of a diversity of *wildlife*. Wetlands provide habitat for individual species and communities of animals and plants. Animals include both game and non-game species, which may be either *obligate* or *facultative*, and which may be permanent residents, or seasonal or transient in nature. Wetlands serve as travel corridors; nesting, feeding, resting, nursery and brood-rearing sites; drinking water sources, and escape cover; and provide seasonal breeding, migration and over-wintering habitat for *wildlife*. Wetlands provide critical habitat for some plant and animal species, and provide habitat for *rare* animal and *rare* plant species.
- 2) *Recreation and Aesthetics: Freshwater wetlands* support active and passive recreational and aesthetic values that are important to the general public. Wetlands provide the opportunity for *recreational activities*, including but not limited to: hunting, fishing, trapping, cross-country skiing, ice skating, boating, water-skiing, canoeing, camping, swimming, bicycling, hiking, walking, horseback riding, harvesting of natural foods or plant materials, bird watching and other animal observation, education and nature studies, and photography. Aesthetic values include but are not limited to the visual, aural and cultural qualities of the wetland. Without limitation, these include the wetland's prominence as a distinct feature in the local area, including its value as open space; whether it is a *rare* wetland type; whether it offers or provides suitable habitat for any *rare* animal or *rare* plant species; whether it has any outstanding or uncommon geomorphologic features; and whether it contains or may contain material of archaeological, historical, or cultural significance.
- 3) *Flood Protection: Freshwater wetlands* protect life and property from flooding and flood flows by storing, retaining, metering out and otherwise controlling flood waters from storm events. Wetlands also control the damaging impacts of flood flows by providing frictional resistance to flood flows, dissipating erosive forces, and helping to anchor the shoreline.
- 4) *Surface Water and Groundwater: Freshwater wetlands* provide and maintain surface and groundwater supplies by acting as recharge or discharge areas, and, in the case of some *ponds*, acting as *surface water* reservoirs. Although groundwater recharge and discharge functions and values may vary seasonally, *freshwater wetlands*, either individually or cumulatively, may be an important factor in replenishing ground and *surface water* supplies, maintaining *stream* flows, transporting *surface waters*, and storing and distributing *surface waters* and groundwater during periods of drought.
- 5) *Water Quality: Freshwater wetlands* protect and maintain water quality by retaining and removing nutrients; filtering and removing *pollutants*; removing *sediments*; producing oxygen; reducing turbidity; maintaining or modifying *stream* flow; maintaining temperature and oxygen regimes in both standing and flowing *surface waters*; and providing and maintaining safe drinking water supplies.

D. The *cumulative impact* of incremental alterations to *freshwater wetlands* that occur at different times or in different locations within the same wetland system, or both, may constitute a *significant alteration*, even if a single proposed alteration may not in and of itself constitute a *significant alteration*.

E. Consistent with the purposes of the Act, it is the public policy of the State to preserve the purity and integrity of all freshwater wetlands in Rhode Island. Random, unnecessary or undesirable alteration of any freshwater wetland is contrary to the Act and not in the best public interest because of the adverse impacts of such alterations on wetland functions and values. The CRMC will deny any application for a project that will so alter any wetland.

F. The CRMC recognizes that dams have created freshwater wetlands that may provide important wildlife habitats and recreational areas and may provide other important functions, values and benefits such as flood storage areas. Also, consistent with its responsibilities under R.I.G.L. 46-19, Inspection of Dams and Reservoirs, the CRMC finds that many dams in the state are in disrepair and may present safety hazards to the public. The CRMC hereby acknowledges that, as a result of an analysis of alternatives for addressing a dam's state of disrepair, the removal or substantial alteration of a dam may be required by the CRMC for reasons of public safety. The CRMC finds that the removal or substantial alteration of a dam for public safety reasons may be deemed consistent with the authority and purposes of these Rules provided that no other feasible alternative is available and impacts related to the dam's removal or alteration are assessed and acceptably mitigated in accordance with these Rules.

~~2.03 Any Preliminary Determination or permit to alter freshwater wetlands in the vicinity of the coast, including any terms and conditions, issued by the DEM prior to the effective date of these Rules and Regulations shall remain valid for the time specified in such determination or permit and may be renewed by the DEM.~~

Any application that has been assigned an application number by the DEM prior to the effective date of these Rules and Regulations shall be subject to the DEM's authority under the Rules and Regulations Governing the Administration and Enforcement of the Freshwater Wetlands Act.

Rule 3.00 - ~~Administrative Findings and Policies~~ General Administration

3.01 Freshwater Wetlands. The CRMC shall be responsible for administering and enforcing these Rules. These Rules shall be liberally construed to permit the CRMC to effectuate the purposes of RIGL §§ 46-23-6, 2-1-18, and 2-1-19. The declarations of intent and public policy enumerated by the General Assembly in Sections 2-1-18 and 2-1-19 of the Act are hereby adopted as the administrative findings upon which these Regulations are based. In addition, the following administrative findings are made as further basis for these Regulations:

- A. ~~GLRI 46-23 et. seq. and Sections 2-1-18 and 2-1-19 of the Freshwater Wetlands Act serve as the general legislative mandate to preserve the purity and integrity of all freshwater wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains, located in the vicinity of the coast from random, unnecessary, and/or undesirable alterations. Freshwater wetland functions and values, area(s) of land within fifty feet (50'), riverbanks, and flood plains must be preserved and protected in the best public interest. Random, unnecessary, and/or undesirable alterations of freshwater wetlands or the functions and values, area(s) of land within fifty feet (50'), riverbanks, and flood plains, they provide and maintain are not in the best public interest.~~
- B. ~~Freshwater wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains, provide functions and values which protect the health, welfare, and general well being of the populace and the environment. These functions and values include, but are not limited to, the following:~~
- ~~1) Protection of life and/or property from flooding or flood flows by retaining, storing, metering, or slowing flood waters from storm events;~~
 - ~~2) Providing and maintaining surface and/or groundwater supplies by acting as a recharge or discharge area;~~

- ~~3) Providing and maintaining valuable wildlife habitats;~~
- ~~4) Providing and maintaining high value recreation areas; and~~
- ~~5) Protecting and maintaining water quality.~~
- ~~C. The cumulative effect of incremental alterations to freshwater wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains, may be significant, even if a proposed alteration may in and of itself be insignificant.~~
- ~~D. Riverbanks (as defined in Rule 5.74), flood plains, and the area of land within fifty feet (50') (as defined in Rule 5.09) are important integral components of the flowing body of water or swamp, marsh, bog or pond with which they are associated and essential to support the functions and values wetlands provide.~~
- ~~E. A freshwater wetland or wetland complex, including the area of land within fifty feet (50'), flood plain, and riverbanks, as defined herein, functions as an integrated ecological unit or system, no portion or component of which is less worthy of regulatory protection than the wetland as a whole.~~
- ~~F. Due to their size or nature, certain projects and activities taking place outside of freshwater wetlands and in area(s) of land within fifty feet (50'), riverbanks, and flood plains, can impact wetland functions and values and can alter the natural character of the wetland. Such projects and activities include, but are not limited to, those that: result in a change to the normal surface run-off characteristics which increases the rate and/or volume of water flowing into, or draining or diverting water away from, freshwater wetlands; result in diversion of groundwater into or away from freshwater wetlands; result in a modification to the quality of water reaching freshwater wetlands which could change their natural character; and, result in construction of a "New" individual sewage disposal system as governed by the Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Individual Sewage Disposal Systems (ISDS Regulations), where the leaching field is within fifty feet (50') of any freshwater wetland.~~
- ~~G. Buffer zones help safeguard wetland functions and values by protecting water quality, providing wildlife habitat, reducing erosion and controlling runoff.~~
- ~~H. Setbacks allow for proper maintenance of structures, act as a firebreak, reduce the risk of flooding, reduce risks to structures associated with wood boring insects, and minimize adverse impacts to natural areas.~~

3.02 Freshwater Wetlands in the Vicinity of the Coast. Pursuant to R.I.G.L. 46-23-6, as amended, freshwater wetlands in the vicinity of the coast are under the exclusive jurisdiction of the Rhode Island Coastal Resources Management Council (CRMC), including, after January 1, 2002, the renewal, transfer, modification and enforcement of *permits* originally issued by the Department of Environmental Management, with these exceptions:

- A. The DEM shall retain jurisdiction over farming-related activities involving freshwater wetlands in the vicinity of the coast.
- B. Any determination or permit, including any terms and conditions, issued by the DEM prior to August 18, 1999, shall remain valid for the time period specified in such determination or permit.
- C. The DEM shall retain jurisdiction over any permits issued prior to January 1, 2002, that are the subject of an outstanding compliance order or other formal administrative, civil or criminal legal action initiated by the DEM for the purpose of litigating or settling that action.
- D. The DEM shall retain sufficient jurisdiction over any permits or permit applications acted upon by the DEM prior to January 1, 2002, to permit the DEM to defend or settle any legal proceedings brought against it as a result of those actions.

E. Any compliance order issued or other civil or criminal enforcement action taken by the DEM prior to August 18, 1999, shall continue to be subject to the DEM authority and to be governed by the rules and regulations in effect at the time the order was issued or action taken.

F. Permits issued by the DEM for projects that lie on or that straddle the jurisdictional boundary shall be administered by the DEM in accordance with Rule 3.03 below.

The declaration of public policy enumerated by the General Assembly in Section 2-1-19 of the Act is hereby adopted as a guiding policy upon which these Regulations are based. In addition, the following policies are adopted as further basis for these Regulations:

~~A. It is the Council's policy to preserve freshwater wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains.~~

~~B. No person may alter (excavate; drain; fill; place trash, garbage, sewage, road runoff, drainage ditch effluents, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; divert water flows into or out of; dike; dam; divert; clear vegetation; grade; construct in; change; add to or take from) or otherwise change the character of any freshwater wetland, riverbank, area of land within fifty feet (50') or flood plain, as defined herein, in any way without first obtaining approval of the Council.~~

~~C. Unless specifically exempt (see Rule 6.00), any proposed project or activity taking place either partially or wholly within freshwater wetlands, riverbank, area of land within fifty feet (50') or flood plain, as defined herein, shall require authorization from the Council.~~

~~D. The Council supports a goal of no net loss of wetland area or functions and values of freshwater wetlands in the vicinity of the coast.~~

~~E. Random, unnecessary and/or undesirable alterations of freshwater wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains, are prohibited. In determining whether a proposed project is a random, unnecessary and/or undesirable alteration the Council shall consider the following:~~

- ~~1) Whether the applicant has demonstrated that impacts to freshwater wetlands have been avoided to the maximum extent possible;~~
- ~~2) Whether the applicant has demonstrated that the proposed project eliminates or minimizes probable impacts that remain to the functions and values of freshwater wetlands, and the environment, health, welfare, and general well-being of the populace; and,~~
- ~~3) Whether the proposed project will contribute to cumulative adverse impacts on wetlands, area(s) of land within fifty feet (50'), riverbanks, and flood plains.~~

~~F. To offset unavoidable impacts, it is the Council's policy to require mitigation of adverse impacts to freshwater wetlands, the areas of land within 50 feet, riverbanks, and flood plains. Mitigation shall be achieved in accordance with the following sequence: (1) avoidance of adverse impacts; (2) minimization of any unavoidable adverse impacts that remain; and, (3) where appropriate, compensation for unavoidable adverse impacts to wetlands and flood plains after practicable minimization has taken place. The Council shall not consider compensation until the applicant has demonstrated that all impacts to freshwater wetlands and flood plains have been avoided and minimized to the maximum extent practicable.~~

~~A. Filling, removing or grading (RICRMP Section 300.2) is prohibited on any freshwater wetland in the Narrow River watershed, as defined in The Narrow River Special Area Management Plan. Relief from this prohibition may be permitted in instances where filling is required to access otherwise buildable land, no other reasonable alternatives for access exist and the applicant has satisfied the variance burdens of proof contained in RICRMP Section 140.~~

~~H. In order to help safeguard wetland functions and values through proper protection and management, the Council shall apply appropriate setbacks and buffer zones on a case by case basis. In determining setback and buffer requirements, the Council shall consider the applicant's project needs, the functions and values associated with the wetland, riverbank, area of land within 50 feet, and/or flood plain, and the potential for project impacts to these functions and values including cumulative impacts.~~

~~I. Applicants for Council Assents to construct, alter, extend or repair individual sewage disposal systems (ISDS) shall first obtain an ISDS permit from the Department of Environmental Management.~~

~~Applicants are encouraged to coordinate the appropriate siting of ISDS with the CRMC through a pre-application meeting prior to submitting an ISDS application to the Department of Environmental Management.~~

~~J. Applicants are responsible for obtaining any other necessary federal, state and/or local permits.~~

3.03 Projects that Lie on or Cross the Jurisdictional Boundary

A. Applications for linear *projects* such as road or *utility* rights of way lying on the *jurisdictional boundary* established pursuant to R.I.G. L. § 46-23-6 will be reviewed as follows:

- 1) If the *project* is located entirely or partially either within a *CRMC* Special Area Management Plan or within 200 feet of a coastal shoreline feature, as defined by *CRMC*, then *CRMC* shall be the freshwater review agency.
- 2) If the *project* is located entirely outside of any *CRMC* Special Area Management Plan and beyond 200 feet of a coastal shoreline feature, as defined by *CRMC*, then the *DEM* shall be the freshwater review agency.

B. Applications for *projects* that cross or fall on both sides of the *jurisdictional boundary* established pursuant to R.I.G. L. § 46-23-6 will be reviewed as follows:

- 1) If all of the *freshwater wetlands* are located seaward of the boundary, then *CRMC* shall be the *freshwater wetland* review agency.
- 2) If all of the *freshwater wetlands* are located inland of the boundary, then the *DEM* shall be the *freshwater wetland* review agency.
- 3) If the wetlands lie on both sides of the *jurisdictional boundary* and the *project* is non-linear in character, then:
 - (a) Where the *project* is located entirely or partially either within a *CRMC* Special Area Management Plan or within 200 feet of a coastal shoreline feature, as defined by *CRMC*, then *CRMC* shall be the *freshwater wetland* review agency; or
 - (b) Where the *project* is entirely outside of any Special Area Management Plan and is beyond 200 feet of a coastal shoreline feature, as defined by *CRMC*, then the *DEM* shall be the *freshwater wetland* review agency.
- 4) For linear *projects* that are on both sides of the *jurisdictional boundary*, the *DEM* and *CRMC* shall jointly determine which agency will serve as the *freshwater wetland* review agency. This determination shall be made on a case-by-case basis in response to a written request from an applicant to *CRMC*, and be based on the following: the extent and location of the *freshwater wetland* or wetlands, the area and proximity of potential land disturbance, and the guidelines set forth in any applicable watershed plan. Within ten (10) business days of the receipt of a request for clarification from an applicant, the agency that retains jurisdiction shall so inform the applicant. Upon written notice to the applicant, the agency may extend the ten-(10) day deadline for up to an additional ten (10) business days for any reason. Although the goal of these provisions is to promote the designation of a single review agency, in the event that a *project* includes potential *freshwater wetland alteration* in both jurisdictional areas, the *DEM* and *CRMC* reserve the right to jointly exercise their jurisdiction.

C. The permitting agency for a *project* that is on the boundary or on both sides of the boundary shall renew, modify, transfer and enforce the *permit* according to the *Rules* (in the case of the *DEM*) or the rules and regulations (in the case of *CRMC*) that were in effect at the time the *permit* was issued.

D. The DEM and CRMC maintain at their respective offices maps illustrating the jurisdictional boundary between freshwater wetlands and freshwater wetlands in the vicinity of the coast.

Rule 4.00 - Application of These Regulations Definitions

~~4.01 These Rules and Regulations shall be liberally construed to permit the CRMC to effectuate the purposes of R.I.G.L. 46-23 and the Act.~~

~~4.02 Not applicable~~

~~4.03 These Rules and Regulations apply to freshwater wetlands in the vicinity of the coast (as depicted on maps maintained on file at the CRMC, DEM and the municipal offices of each coastal city or town), the jurisdictional resource areas which are area(s) of land within fifty feet (50'), riverbanks, and flood plains, and, all activities which could alter the character of any freshwater wetland or part thereof in the vicinity of the coast. The authority of the CRMC to apply these Rules and Regulations to freshwater wetlands in the vicinity of the coast, area(s) of land within fifty (50) feet, riverbanks, and flood plains, is that which is necessary to carry out the effective management of the resource and to ensure that the same standard of protection applies to these resource areas as under the DEM Freshwater Wetlands Program.~~

~~4.04 The application of these Rules and Regulations is limited to freshwater wetlands in the vicinity of the coast, area(s) of land within fifty (50) feet, riverbanks, and flood plains, as depicted on maps maintained on file at the offices of the CRMC, DEM, and the municipal offices of each coastal city or town. Persons proposing any activity which could alter the character of any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, or part thereof outside the vicinity of the coast are required to obtain approval from the DEM Freshwater Wetlands Program.~~

~~4.05 In cases where a proposed project or activity is subject to the CRMC's jurisdiction due to the nature of the activity, its proximity to any coastal feature, or its location within the boundaries of the Narrow River or Salt Ponds watersheds (as defined in the Narrow River and Salt Ponds Special Area Management Plans (SAMP)), and the proposed project is also subject to these Rules and Regulations, the CRMC shall apply the provisions of the RICRMP and any applicable SAMP in addition to these Rules and Regulations. Where these separate regulatory programs may conflict, the more stringent definition, policy, standard and/or prohibition shall apply.~~

~~4.06 The definitions contained in Rule 5.00 shall apply to the CRMC's Freshwater Wetlands Program and the implementation of these Rules and Regulations. These definitions do not apply to any other activities regulated by the CRMC.~~

~~4.07 Except where specifically superseded in these Rules and Regulations, the CRMC Management Procedures shall apply to the implementation of these Rules and Regulations.~~

~~4.08 Any enforcement action taken by, or application submitted to, the DEM prior to the effective date of these Rules and Regulations shall be governed by the Rules and Regulations in effect at the time the enforcement action was taken, or application filed.~~

For the purposes of these *Rules*, the following terms shall have the following meanings:

Accessory Structure: A structure that has an ancillary or supplementary function to the main use of the property. Accessory structures include amateur radio towers; flag poles; swing sets; slides; decks; patios; gardens; sheds; in-ground or above-ground swimming pools; fences that do not span or obstruct public access to rivers, streams, and other waterbodies (along and within boundaries or areas such as existing home lawns and driveways); treehouses; drinking water wells with a volume of withdrawal no greater than 500 gallons a day; walls; stairs; walks; and pervious driveways.

Act: The Fresh Water Wetlands Act as set forth in Sections 2-1-18 through 2-1-25, inclusive, of the R.I.G.L., as from time to time amended.

Alter (and Alteration): To change (act of changing) the character of a *freshwater wetland* as a result of activities within or outside of the wetland. Such activities include but are not limited to the following: Excavating; draining; filling; placing trash, garbage, sewage, road runoff, drainage ditch effluent, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; diverting water flows into or out of; diking; damming; diverting; clearing; grading; constructing in; adding to or taking from; or other activities that individually or cumulatively change the character of any freshwater wetland.

Aquatic Base Flow (ABF): Minimum river or stream flow conditions necessary to sustain indigenous aquatic fauna and flora, determined as follows:

- A. Where a minimum of twenty-five (25) years of U.S. Geological Survey gauging records exist on a river or stream that is basically free-flowing, the ABF for all times of the year shall be equivalent to at least the median August flow for the period of record unless spawning and incubation requirements exceed the median August flow; or
- B. Where a river or stream lacks adequate flow data, or where it is regulated by a dam or upstream diversion, the ABF shall be at least 0.5 cubic feet per second per square mile of drainage (cfs/m), unless spawning and incubation requirements exceed this minimum; or
- C. Where concerns exist regarding spawning and incubation flow requirements, the ABF shall be 1.0 cfs/m in October/November and 4.0 cfs/m in April/May for the entire applicable spawning and incubation periods of aquatic fauna; or
- D. Where a specific in-stream flow study identifies an ABF based upon the specific needs of aquatic fauna or flora, the ABF shall conform to the results of that study, provided the ABF is approved by the CRMC.
- E. Where the CRMC issues a more specific policy, aquatic base flow shall conform to the requirements of that policy.

Area of Land Within Fifty Feet (50'): (used interchangeably with *Perimeter Wetland*) A *freshwater wetland* consisting of the area of land within fifty feet (50') of the *edge* of any *freshwater wetland* consisting in part, or in whole, of a *bog, marsh, swamp* or *pond*, as defined by these *Rules*. For purposes of identification, this area shall be measured horizontally, without regard for topography, from the *edge* of such a wetland.

Area Subject to Flooding (ASF): This shall include, but not be limited to, *flood plains*, depressions or low-lying areas flooded by *rivers, streams, intermittent streams*, or areas subject to storm flowage which collect, hold or meter out storm and flood waters.

Area Subject to Storm Flowage (ASSF): Drainage swales and channels that lead into, out of, pass through or connect other *freshwater wetlands* or coastal wetlands, and that carry flows resulting from storm events, but may remain relatively dry at other times.

Best Management Practices (BMPs): Generally accepted practices, procedures and management techniques that include, but are not limited to, schedules of activities, prohibitions, maintenance procedures, structural and non-structural methods, and other management approaches to prevent or minimize any reduction of the

functions and values associated with *freshwater wetlands*.

Bog: Consistent with Section 2-1-20(1) of the *Act*, a place where standing or slowly running water shall be *near or at the surface* during a normal *growing season* and/or where a vegetational community shall have over fifty percent (50%) of the ground or water surface covered with sphagnum moss (*Sphagnum*) and/or where the vegetational community shall be made up of one or more of, but not limited to nor necessarily including all of the following: blueberries and cranberries (*Vaccinium*), leatherleaf (*Chamaedaphne calyculata*), pitcher plant (*Sarracenia purpurea*), sundews (*Drosera*), orchids (Orchidaceae), white cedar (*Chamaecyparis thyoides*), red maple (*Acer rubrum*), black spruce (*Picea mariana*), bog aster (*Aster nemoralis*), larch (*Larix laricina*), bog rosemary (*Andromeda glaucophylla*), azaleas (*Rhododendron*), laurels (*Kalmia*), sedges (*Carex*), bog cotton (*Eriophorum*).

Buffer Zone: An area of undeveloped vegetated land retained in its natural undisturbed condition, or created to resemble a naturally occurring vegetated area that *mitigates* the negative impact of human activities on wetland functions and values.

Completed Application: Any application that, in the opinion of the *CRMC*, provides all of the requisite information necessary to process the application in accordance with Section 2-1-22(a) of the *Act*, these *Rules* and the *CRMC* Management Procedures. For public notice purposes relating to an Application to Alter, the criteria for a completed application are set forth in Rules 10.02 and 10.03.

CRMC: The Rhode Island Coastal Resources Management Council.

CRMC Regulations: The “Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast” adopted by the Coastal Resources Management Council pursuant to Chapter 46-23-6 of the *R.I.G.L.*

Cumulative Impact: The combined impact on the wetland environment and its functions and values which may result from past, present and future *alterations* to the same wetland system, regardless of what agency or *person* undertakes such *alterations*.

Dam (and Damming): Any barrier made by humans, including appurtenant works, that impounds or diverts *surface water*. To impound water by means of a dam.

Department: The Department of Environmental Management or DEM.

Detention Facility: A basin, depression, or other artificial structure *excavated*, constructed, or installed to intercept and temporarily store surface runoff and release the stored water at a controlled rate.

Dike: A berm or structure that impedes, redirects, diverts, or otherwise controls the flow or elevation of water.

Director: The Executive Director of the Coastal Resources Management Council or his or her duly authorized agent or agents and may be used interchangeably with *CRMC* or Council as appropriate.

Drain: To lower the *surface water* or groundwater elevation, either temporarily or on a permanent basis.

Edge: The line of intersection or division between:

- A. Any swamp, marsh, pond, bog, or wetland complex containing these wetland types and that area of land within fifty feet (50') (i.e., perimeter wetland) of these wetland types;
- B. Any flowing body of water and its associated riverbank wetland; or
- C. Any wetland other than those listed above and any adjacent non-wetland area.

The edge of wetlands shall be identified according to those procedures set forth in these *Rules* (Appendix 2).

Emergent Plant Community: A wetland characterized by erect, rooted, herbaceous hydrophytic vegetation that is present for most of the *growing season* in most years, and that may be persistent or non-persistent in nature.

Excavate: To dig into, cut, quarry, uncover, remove, displace, relocate, or grade any earth, soil, sand, gravel, rock, peat, organic, inorganic or any other similar material.

Existing: (1) a condition that was present as of the enactment of the *Act* or its applicable amendments and that has continually remained in the same condition; or (2) a condition that is present and was approved under the *Act* or its applicable amendments; or (3) a condition that has naturally occurred and is currently present.

Facultative Wildlife Species: *Wildlife* that utilize wetlands as habitat, but generally do not require wetlands for survival or reproduction.

Farmer/Qualified Farmer (herein after Farmer): An individual, partnership or corporation that operates a farm and has filed a Form 1040F or comparable instrument with the U.S. Internal Revenue Service, has a state of Rhode Island farm tax number, and has earned Ten Thousand Dollars (\$10,000) gross income on farm products in each of the preceding four (4) years.

Feasible: Capable of being done, executed, accomplished or brought about by engineering standards.

Fill: Dirt, soil, stones, gravel, sand, *sediment*, tree stumps, brush, leaves, solid waste, debris, garbage, trash, grass clippings, *pollutants*, or any other material, substance, or structure placed in a *freshwater wetland*; or any action that places such material in a *freshwater wetland*.

Flood Plain: As defined in Section 2-1-20(3) of the *Act*, that land area adjacent to a *river* or *stream* or other *flowing body of water* that is, on average, likely to be covered with flood waters resulting from a one hundred (100) year frequency storm. A storm of this nature is one that is to be expected to be equaled or exceeded once in one hundred (100) years, and hence may be said to have a one percent (1%) probability of being equaled or exceeded in any given year. Rainfall intensity data for such a storm are those established for New England locations by the National Weather Service (formerly the U.S. Weather Bureau).

Floodway: The channel of a *river* or *stream* and any immediately adjacent areas that must be kept free of encroachment to allow one hundred (100) year flood waters to be carried without increase in flood heights or flows and without endangering life or property.

Flowing Body of Water: Any *river*, *stream*, or *intermittent stream* that flows long enough during the year to develop and maintain defined channels, and generally has flowing water at times other than those periods immediately following storm events. Such watercourses have defined banks, a bed, and maintain visible evidence of flow or continued reoccurrence of flowing water.

Forested Wetland: A *freshwater wetland* dominated by woody plants (trees) greater than twenty feet (20') tall.

Freshwater Wetland: Consistent with Section 2-1-20(4) of the *Act*, freshwater wetland includes:

- A. A *bog*, *flood plain*, *pond*, *marsh*, *riverbank*, *swamp*, *river*, *area of land within fifty feet (50')*, *area(s)* subject to flooding, *area(s)* subject to storm flowage, *floodway*, *flowing body of water*, *stream*.

intermittent stream, perimeter wetland, submergent and emergent plant communities, special aquatic sites, shrub and forested wetland or any combination thereof;

B. Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions; or

C. Any or all wetlands created as part of, or the result of, any activity permitted or directed by the DEM after July 16, 1971 or the CRMC after August 18, 1999 including, but not limited to: restored wetlands; value replacement wetlands created to compensate for wetland loss such as flood plain excavations; and any wetlands created, altered or modified after July 16, 1971.

Freshwater Wetlands in the Vicinity of the Coast: Consistent with the R.I.G.L. Sections 46-23-6, freshwater wetlands seaward of the jurisdictional boundary that are regulated by the Coastal Resources Management Council in accordance with the “Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast.”

Growing Season: The period from April 1 to November 15 of any calendar year.

Hydrophyte/Hydrophytic Vegetation: A plant or plant life that grows in water, or in or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.

Insignificant Alteration: In the opinion of the Department, a proposed alteration, limited in scope, area or duration, which appears to result in no more than a minimal change or modification to the characteristics, functions or values of any freshwater wetland(s), and is not random, unnecessary or undesirable.

Invasive Species: An alien species whose introduction does or is likely to cause economic or environmental harm, or harm to human health.

Jurisdictional Boundary: The line determined by the Department and the Coastal Resources Management Council, pursuant to Chapter 46-23-6 of the R.I.G.L., that designates areas of freshwater wetland jurisdiction. The jurisdictional boundary is depicted on original maps dated June 1997, revised April 2001 (effective September 2001) and June 2007, and maintained on file at the Department and the Coastal Resources Management Council.

Lentic: A habitat or ecosystem characterized by standing water.

Lotic: A habitat or ecosystem characterized by flowing water.

Low-Flow Period: Under normal conditions, the period from July 1 to October 31 of any calendar year.

Low Hazard Dam: A dam where failure or misoperation results in no probable loss of human life and low economic losses.

Marsh: Consistent with Section 2-1-20(5) of the Act, a place not less than one (1) acre in extent wholly or partly within the state of Rhode Island where a vegetational community shall exist in standing or running water during the growing season and/or shall be made up of one or more of, but not limited to nor necessarily including all of the following plants or groups of plants: hydrophytic reeds (*Phragmites*), grasses (*Gramineae*), mannagrasses (*Glyceria*), cutgrasses (*Leersia*), pickerelweeds (*Pontederiaceae*), sedges (*Cyperaceae*), rushes (*Juncaceae*), cattails (*Typha*), water plantains (*Alismataceae*), bur-reeds (*Sparganiaceae*), pondweeds (*Zosteraceae*), frog's bits (*Hydrocharitaceae*), arums (*Araceae*), duckweeds (*Lemnaceae*), water lilies (*Nymphaeaceae*), water-milfoils (*Haloragaceae*), water-starworts (*Callitrichaceae*), bladderworts (*Utricularia*), pipeworts (*Eriocaulon*), sweet gale (*Myrica gale*), buttonbush (*Cephalanthus occidentalis*).

Mitigate/Mitigation: A process undertaken by single or cumulative actions to avoid or lessen the damaging effects of human activities upon *freshwater wetlands* and the functions and values that they provide prior to, during, or after the completion of any *project*.

Near or at the Surface: As defined in Section 2-1-20(6) of the *Act*, within thirty-six inches (36") of the surface.

Normal Farming and Ranching Activities: Consistent with Section 2-1-22(i)(1) of the *Act*, *projects* and activities carried out by *farmers*, including plowing, seeding, cultivating, land clearing for routine agriculture purposes, harvesting of agricultural products, pumping of *existing farm ponds* for agricultural purposes, upland soil and water conservation practices, and maintenance of *existing farm drainage structures*, *existing farm ponds* and *existing farm roads*, and any other activity determined by the Division of Agriculture to constitute a normal farming activity.

Obligate Wildlife Species: *Wildlife* that depend upon *freshwater wetlands* for all or part of their life cycle.

Open Standing Water: *Surface water* areas that are not dominated by persistent vegetative cover, specifically, where less than fifty percent (50%) of the water body surface is covered by persistent emergent vegetation, shrubs, or trees either as a single life form or in the aggregate.

Perimeter Wetland: (See the definition of *Area of Land within Fifty Feet (50')*).

Permit: An authorization in the form of a document issued and signed by the *Department*, allowing the alteration of *freshwater wetlands* subject to specific *terms and conditions*.

Person: Any individual; corporation; partnership; public utility; nonprofit organization; trust; unincorporated association; federal, state, county or local government, or any agency or subdivision thereof; or any other entity; or any combination of the foregoing.

Pollutant: Any dredged material; solid waste; incinerator residue; sewage; garbage; sewage sludge; *sediment*; filter backwash; munitions; chemical wastes; biological materials; radioactive materials; heat; wrecked or discarded equipment; rock; sand; dirt; industrial or municipal or agricultural wastes or effluent; petroleum or petroleum products including but not limited to oil (reference R.I.G.L. § 46-12); or any material which will likely alter any one or more of the following: the aesthetic, physical, chemical, biological or radiological characteristics or integrity of any *freshwater wetland*.

Pollution: The human-made or human-induced alteration of the aesthetic, physical, chemical, biological or radiological characteristics or integrity of any *freshwater wetland* as a result of the introduction of any *pollutant* to any *freshwater wetland*.

Pond: Consistent with Section 2-1-20(7) of the *Act*, a place not less than one-quarter (1/4) acre in extent, natural or manmade, wholly or partly within the state of Rhode Island, where open standing or slowly moving water shall be present for at least six (6) months a year.

Project: For the purpose of the *Rules*, the term project also indicates activities.

Random, Unnecessary, or Undesirable Alteration:

- A. A random alteration is any alteration to freshwater wetlands for which the applicant does not specify in the application the entire project proposed or contemplated by the applicant or in which the purpose of the alteration cannot be determined.
- B. An alteration is unnecessary unless it is essential, vital, or indispensable to the project and cannot be avoided by exhausting all other non-wetland alternatives.
- C. An undesirable alteration is any alteration to freshwater wetlands that individually or cumulatively may reduce or degrade any freshwater wetland functions and values as set forth herein, which does not avoid and minimize to the maximum extent possible any damaging effects on wetland functions and values, or does not satisfy the review criteria in Rule 10.05.

Rare: When used in the context of species or *freshwater wetland* types, those invertebrate and vertebrate animals or plant species or those *freshwater wetland* types that are listed as threatened, endangered, of special interest or of special concern under the *Department's Rhode Island Natural Heritage Program*; by the *Department's Division of Fish and Wildlife*; or under the federal Endangered Species Act.

Recreational Activities: Activities that include but are not limited to the following: education or nature studies, hunting, fishing, boating, canoeing, camping, trapping, water-skiing, swimming, ice skating, hiking, bird watching or other *wildlife* observations, photography, cross-country skiing, harvesting of natural foods or plant materials, and visual/esthetic appreciation of natural wetland environments as a whole or in part.

Restoration: The result of actions that, in the opinion of the *Department*, reinstate or will reinstate, insofar as possible, the functions and values of a wetland that has been altered.

Retention Facility: A basin, depression, or other artificial structure *excavated*, constructed, or installed to hold stormwater flows or runoff.

R.I.G.L.: The Rhode Island General Laws of 1956, as from time to time amended.

River: As defined in Section 2-1-20(8) of the *Act*, a body of water that is designated as a perennial *stream* by the United States Department of Interior Geologic Survey on 7.5-minute series topographic maps, and that is not a *pond*.

Riverbank: As defined in Section 2-1-20(9) of the *Act*, that area of land within two hundred feet (200') of the *edge* of any *flowing body of water* having a width of ten feet (10') or more, and that area of land within one hundred feet (100') of the *edge* of any *flowing body of water* having a width of less than ten feet (10') during normal flow.

Rules: These Rules and Regulations, which govern the administration and enforcement of the *Act* as applied to *freshwater wetlands in the vicinity of the coast*. Unless otherwise expressly stated, any reference herein to the Rules incorporates the relevant provisions of the *Act*.

Sediment: Any organic or inorganic material that is in suspension, has been deposited, is being transported, or has been moved from its site of origin by natural or human action.

Sediment Facility: Any basin, depression or other artificial structure *excavated*, constructed or installed to retain *sediment* or debris, and prevent *sediment* or debris from entering any *freshwater wetlands*.

Selective Cut/Cutting: The cutting of trees, or the mowing or cutting of shrubs or emergent vegetation which would result in:

- A. At least sixty percent (60%) stocking of trees remaining in any forested wetland. Stocking shall be based

upon the applicable northeastern tree stocking guide for the dominant tree type within the *forested wetland*;

B. At least seventy-five percent (75%) crown cover of shrubs remaining within any shrub or *forested wetland*;

C. At least eighty percent (80%) cover remaining in any emergent community.

Shrub Wetland: *A freshwater wetland dominated by woody plants less than twenty feet (20') tall.*

Significant Alteration: *In the opinion of the Department, a proposed project which by its area, scope or duration, appears to represent more than a minimal change or modification to the characteristics, functions or values of any freshwater wetland(s); may be detrimental to the basic natural capabilities or values associated with any freshwater wetland(s); or appears to be random, unnecessary or undesirable.*

Special Aquatic Site: *A body of open standing water, either natural or artificial, which does not meet the definition of pond, but which is capable of supporting and providing habitat for aquatic life forms, as documented by the:*

A. Presence of standing water during most years, as documented on site or by aerial photographs; and

B. Presence of habitat features necessary to support aquatic life forms of obligate wildlife species, or the presence of or evidence of, or use by aquatic life forms of obligate wildlife species (excluding biting flies).

Standing Water: *Non-flowing water of any depth lying on the ground surface.*

Stream/Intermittent Stream: *Any flowing body of water or watercourse other than a river that flows long enough each year to develop and maintain a defined channel. Such watercourses may carry groundwater discharge or surface runoff. Such watercourses may not have flowing water during extended dry periods but may contain isolated pools or standing water.*

Submergent Plant Community: *A freshwater wetland characterized by plants that grow principally below the surface of the water for most of the growing season. Submergent plants are either attached to the substrate or float freely in the water.*

Substantial Alteration of a Dam: *Consistent with the Rules and Regulations for Dam Safety, any physical modification to a dam that results in a permanent change in the water elevation of the reservoir or impoundment or in water flow downstream of the dam.*

Surface Water: *Water lying on the substrate or soil surface, regardless of depth.*

Swamp: *Consistent with Section 2-1-20(10) of the Act, a place not less than three (3) acres in extent wholly or partly within the state of Rhode Island where groundwater shall be near or at the surface of the ground for a significant part of the growing season, or where runoff water from surface drainage shall collect frequently, and/or where a vegetational community shall be made up of a significant portion of one or more of, but not limited to nor necessarily including all of the following: red maple (*Acer rubrum*), elm (*Ulmus americana*), black spruce (*Picea mariana*), white cedar (*Chamaecyparis thyoides*), ashes (*Fraxinus*), poison sumac (*Rhus vernix*), larch (*Larix laricina*), spice bush (*Lindera benzoin*), alders (*Alnus*), skunk cabbage (*Symplocarpus foetidus*), hellebore (*Veratrum viride*), hemlock (*Tsuga canadensis*), sphagnum (*Sphagnum*), azaleas (*Rhododendron*), black alder (*Ilex verticillata*), coast pepperbush (*Clethra alnifolia*), marsh marigold (*Caltha palustris*), blueberries (*Vaccinium*), buttonbush (*Cephalanthus occidentalis*), willow (*Salicaceae*), water willow (*Decodon verticillatus*), tupelo (*Nyssa sylvatica*), laurels (*Kalmia*), swamp white oak (*Quercus bicolor*), or species indicative of marsh. For purposes of this definition, "significant part of the growing*

season” means that period of the *growing season* when water is present long enough to support a plant community of predominantly hydrophytic vegetation.

Terms and Conditions: Any requirements specified by the *Department* which it deems necessary to prevent any authorized or permitted *project* or activity from reducing the functions and values associated with any *freshwater wetland*; prevent any *significant alteration* which is not authorized; prevent the destruction of any *freshwater wetland* or portion thereof; or protect the health, welfare, and general well being of the public. These terms and conditions may include without limitation the following:

- A. Soil stability, including prevention of erosion and deposition of *sediment* in any *freshwater wetland*;
- B. Flood prevention;
- C. Protection of *wildlife* and *wildlife habitat* and its functions and values;
- D. Preservation of *recreational activities* and values;
- E. Protection of water quality;
- F. Development and maintenance of mitigative features;
- G. Limitation on time for completion;
- H. Statutory or regulatory requirements and limitations;
- I. Construction phasing; and
- J. Monitoring and reporting for compliance and enforcement.

Utility: Any electricity, water, sewer, gas, oil or communication transmission line or pipe.

Water Quality Improvement Project: A *project* whose sole purpose is to eliminate or correct those ongoing activities or problems that cause or contribute to water quality degradation.

Width During Normal Flow: The distance between the opposite *edges* of the flow channel of a *river, stream, or intermittent stream*, as determined by the criteria set forth in Appendix 2C of these *Rules*.

Wildlife: Any vertebrate or invertebrate animal species which may reproduce in, rest in, feed in, or otherwise utilize any *freshwater wetland* regulated by these *Rules*.

Wildlife Habitat: Those *freshwater wetlands* that provide breeding, nursery, resting, travel or feeding areas for birds, fish, reptiles, mammals, amphibians, or invertebrates, as well as the biotic and abiotic characteristics of *freshwater wetlands* that may provide food, cover, breeding sites, or other support systems for these life forms.

Wildlife Habitat Project: A *project* whose sole purpose is to create, restore or enhance *wildlife habitat*.

Additional Definitions

- A. **Coastal Feature** means any coastal beach; barrier island or spit; dune; coastal wetland; coastal headland, bluff or cliff; rocky shore, or; manmade shoreline, as defined in the Rhode Island Coastal Resources Management Program.
- B. **Coastal Resources Management Program** or RICRMP means the coastal zone management program adopted by the state of Rhode Island in accordance with R.I.G.L. 46-23 and approved under the federal Coastal Zone Management Act of 1972 (16 U.S.C.A. §1451 to 1464).
- C. **Council** means the Rhode Island Coastal Resources Management Council or CRMC.

D. **Management Procedures** means the definitions and procedures adopted by the CRMC in accordance with R.I.G.L. § 42-35 and contained in the State of Rhode Island, Coastal Resources Management Council Management Procedures.

E. **SAMP** means a Special Area Management Plan adopted by the CRMC.

F. **Setback** means the minimum distance from the edge of a freshwater wetland at which an approved activity or alteration may take place.

G. **In the vicinity of the coast** means those areas designated on maps accompanying this program under the jurisdiction of the CRMC and subject to these Rules and Regulations.

Rule 5.00 - ~~Definitions~~Regulated Activities

5.01 ~~Not applicable~~Prohibitions

A. Except as provided in Rule 6.00, a proposed *project* or activity which may *alter any freshwater wetland* may not be undertaken without a *permit* from the *CRMC*. Specifically, no *person* may *excavate; drain; fill; place trash, garbage, sewage, road runoff, drainage ditch effluents, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; divert water flows into or out of; dike; dam; divert; clear; grade; construct in; add to or take from or otherwise change the character of any freshwater wetland* as defined herein, in any way, without first obtaining a *permit* from the *CRMC*.

B. In addition to those *projects* or activities proposed either partially or wholly within *freshwater wetlands*, *projects* or activities taking place outside of *freshwater wetlands* which in all likelihood, because of their close proximity to wetlands, or because the size or nature of the *project* or activity will result in an *alteration* of the natural character of any *freshwater wetland*, may not be undertaken without a *permit* from the *CRMC*.

Such *projects* generally include those which:

- 1) Result in a change to the normal surface run-off characteristics which increases the rate or volume of water flowing into, or draining or diverting water away from, *freshwater wetlands* by such activities as:
 - a) Creating or significantly increasing impervious areas;
 - b) Modifying run-off characteristics by grading significant amounts of land area or clearing and permanently modifying significant amounts of vegetative cover on areas draining to *freshwater wetlands*;
 - c) Diversion of and concentration of surface run-off through swales, ditches, grading, drainage systems and other surface run-off conveyance systems to or away from *freshwater wetlands*; or
- 2) Result in diversion of groundwater into or away from *freshwater wetlands* by:
 - a) Installation of subdrains which will lower groundwater elevations supplying *freshwater wetlands* or increase flow into wetlands;
 - b) Installation of underground utilities bedded in pervious materials which may act as a subdrain to divert groundwater away from, or concentrate such water to *freshwater wetlands*;
 - c) Installation of wells, other than wells intended for a single family home, which will remove significant amounts of water supplying or affecting any *freshwater wetland*; or

- 3) Result in a modification to the quality of water reaching *freshwater wetlands* which could change their natural character; or
 - 4) Result in construction of a "new" onsite wastewater treatment system as defined by the Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Onsite Wastewater Treatment Systems (OWTS Rules), where the leaching field of the OWTS is located within fifty feet (50') of any emergent, shrub or *forested wetland*; *special aquatic site*; *area subject to flooding*; or *area subject to storm flowage*.
- C. No project or activity that may or will *alter a freshwater wetland* pursuant to Rule 5.01A and B above may be undertaken unless it conforms at all times to all applicable *permits* and *permit terms and conditions*, and all representations made in all applicable *permit* applications.

5.02 Act means Sections 2-1-18 through 2-1-24 inclusive of the General Laws of 1956, as amended. Application Types and Decisions Available

These Rules provide for the following types of application, with the CRMC's actions and potential results as noted:

- A. Request to Determine the Presence of Wetlands: The CRMC will inspect the applicant's property to determine whether a regulated wetland is present on the property. If a regulated wetland is identified, the CRMC will identify the type(s) of such wetlands (see Rule 8.02). The CRMC possesses the sole authority to determine which areas are deemed *freshwater wetlands*.
- B. Request to Verify Wetland Edges: The CRMC will inspect wetland *edge(s)* delineated by the applicant and, if in substantial agreement with the documentation provided, will confirm the presence of identified wetlands and the location of their delineated *edges* (see Rule 8.03). Furthermore, the CRMC will identify the type(s) of wetland(s) verified.
- C. Request for Preliminary Determination: The CRMC will review documents submitted by the applicant in support of the proposed project and will 1) issue a *permit*, with conditions, for an *insignificant alteration of freshwater wetlands*; 2) issue a determination that a *significant alteration* has been proposed; or 3) issue a determination that a *permit* is not required (see Rule 9.01). A determination that a *project* represents a *significant alteration* is not a denial of a *permit*.
- D. Application to Alter a Freshwater Wetland: This application must be submitted to obtain a *permit* for a proposed *project* that will, or is likely to, result in a *significant alteration* of a *freshwater wetland*. After thorough review of the application, including public comments received during the required 45-day notice period, the CRMC may either issue a *permit* to *alter freshwater wetlands* or deny the application (see Rule 10.00).
- E. Application for Emergency Alteration: This application must be submitted either by the owner of the property or an appropriate official, orally or in writing, to request a *permit* for an emergency *alteration* in the event that public health or safety is at imminent risk (see 11.01).
- F. Application for Permit Renewal: This application must be submitted to renew a *freshwater wetland permit* that was granted as a result of a Request for Preliminary Determination or an Application to Alter a Freshwater Wetland (see Rule 11.02).
- G. Application for Permit Modification: This application must be submitted to request approval of a *minor modification* to a previously permitted *project* (see Rule 11.03).

H. Application for Permit Transfer: This application may be submitted to request the transfer of a valid permit to a new property owner (see Rule 11.04).

I. Application Relating to Farmers: In general, this application must be submitted directly to the DEM's Division of Agriculture and Resource Marketing for a determination as to whether the project represents an insignificant or a significant alteration in accordance with these Rules (see Rule 11.05).

~~5.03 Not applicable~~

~~5.04 Alteration (See Alter the Character).~~

~~5.05 Alter the Character means those activities which occur within or outside of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, which impact their natural character, functions and/or values. Such activities include but are not limited to the following:~~

~~Excavating; draining; filling; placing trash, garbage, sewage, road runoff, drainage ditch effluents, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; diverting water flows into or out of; diking; damming; diverting; clearing; grading; constructing in; adding to or taking from or otherwise changing the character of any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, as herein defined either individually or cumulatively.~~

~~5.06 Applicant means the person, firm, partnership, corporation, public utility, government agency and/or any other organization or association seeking a determination, permit, or decision from the CRMC through prescribed application procedures. The applicant must be the owner of the property or easement which is the subject of the application, or must be the government agency or entity with power of condemnation over such property or easement.~~

~~5.07 Approval means a permit or authorization issued by the CRMC.~~

~~5.08 Aquatic Base Flow (ABF) means those minimum river or stream flow conditions that are necessary to sustain and perpetuate indigenous aquatic fauna and flora and is based upon the following:~~

- ~~A. Where a minimum of twenty five (25) years of U.S. Geological Survey gauging records exist on a river or stream that is basically free flowing, the ABF for all times of the year must be equivalent to at least the median August flow for the period of record unless spawning and incubation requirements exceed the median August flow; or~~
- ~~B. For rivers or streams where inadequate flow records exist or for rivers or streams regulated by dams or upstream diversions, the ABF shall be at least 0.5 cubic feet per second per square mile of drainage (efsm), unless spawning and incubation requirements exceed this minimum; or~~
- ~~C. Where concerns exist regarding spawning and incubation flow requirements, the ABF shall be 1.0 efsm in October/November and 4.0 efsm in April/May for the entire applicable spawning and incubation periods of aquatic fauna; or~~
- ~~D. Where a specific in-stream flow study determines the ABF based upon the specific needs of aquatic fauna and/or flora and such study is approved by the CRMC.~~

~~5.09 Area of Land Within Fifty Feet (50') means the area of land within fifty feet (50') of the edge of any bog, marsh, swamp, or pond as defined by these Rules, which is subject to regulation in order to safeguard the functions and values of freshwater wetlands. For purposes of identification, this area shall be measured horizontally, without regard for topography, from the edge of any bog, marsh, swamp, pond, or wetland complex containing any combination of these wetland types.~~

- ~~5.10 **Area Subject to Flooding** shall include, but not be limited to, flood plains, depressions or low lying areas flooded by rivers, streams, intermittent streams, or areas subject to storm flowage which collect, hold, and/or meter out storm and flood waters.~~
- ~~5.11 **Area Subject to Storm Flowage** means those drainage swales and channels which lead into, out of, and/or connect other freshwater wetlands or coastal wetlands, and which carry flows resulting from storm events but may remain relatively dry at other times.~~
- ~~5.12 **Best Management Practices (BMP)** means practices which include, but are not limited to, schedules of activities, prohibitions of practices, maintenance procedures, structural and non-structural methods, and other management practices approved by the CRMC to prevent or significantly limit any reduction of the functions and values associated with freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- ~~5.13 **Bog** means a place where standing or slowly running water shall be near or at the surface during a normal growing season and/or where a vegetational community shall have over fifty percent (50%) of the ground or water surface covered with sphagnum moss (*Sphagnum*) and/or where the vegetational community shall be made up of one or more of, but not limited to nor necessarily including all of the following: blueberries, and cranberries (*Vaccinium*), leatherleaf (*Chamaedaphne calyculata*), pitcher plant (*Sarracenia purpurea*), sundews (*Drosera*), orchids (Orchidaceae), white cedar (*Chamaecyparis thyoides*), red maple (*Acer rubrum*), black spruce (*Picea mariana*), bog aster (*Aster nemoralis*), larch (*Larix laricina*), bog rosemary (*Andromeda glaucophylla*), azaleas (*Rhododendron*), laurels (*Kalmia*), sedges (*Carex*), bog cotton (*Eriophorum*).~~
- ~~5.14 **Buffer zone** means an area of undeveloped vegetated land retained in its natural undisturbed condition, or created to resemble a naturally occurring vegetated area which serves to mitigate impacts from human activities to wetland functions and values.~~
- ~~5.15 **Completed Application** means any application which, in the opinion of the Director, provides all of the requisite information necessary to process the application.~~
- ~~5.16 **Conditions** (see Terms and Conditions).~~
- ~~5.17 **Cumulative Impact** means the combined impact on the wetland environment and its functions and values which may result from past, present and future alterations to the same wetland system, regardless of what agency or person undertakes such alterations.~~
- ~~5.18 **Dam** means to permanently or temporarily impound surface water above the wetland surface which existed prior to dam construction or above the bottom of any river, stream or intermittent stream; or any manmade structure which permanently or temporarily impounds normal and/or storm flows.~~
- ~~5.19 **Department** means the Department of Environmental Management or DEM.~~
- ~~5.20 **Detention Facility** means a basin, depression, or other manmade structure excavated, constructed, or installed to intercept and temporarily store surface runoff and release the stored water at a controlled rate.~~
- ~~5.21 **Dike** means a berm or structure which impedes, redirects, diverts, or otherwise controls the flow or elevation of water.~~

~~5.22 **Director** means the Executive Director of the Coastal Resources Management Council and may be used interchangeably with CRMC or Council.~~

~~5.23 not applicable~~

~~5.24 **Drain** means to lower the surface water and/or groundwater elevation either temporarily or on a permanent basis.~~

~~5.25 **ECC** means the Estimated Construction Cost (See Rule 8.03).~~

~~5.26 **Each Violation** means any failure to comply with these Rules, or any condition of approval, assent, permit, order, or determination issued by the Council which is distinct from any other violation by:~~

- ~~A. The type of wetland and/or jurisdictional resource area affected; an unauthorized alteration shall be considered one violation if it occurs in a wetland which can be identified as more than one (1) wetland type;~~
- ~~B. The place, area, or time of commission of the violation; and/or~~
- ~~C. The nature of the violation.~~

~~5.27 **Edge** means the line of intersection or division between:~~

- ~~A. Any swamp, marsh, pond, bog, or any wetland complex and the adjacent upland where the inland (upland) limit of wetland shall be determined consistent with the definition of freshwater wetland contained in Rule 5.40 and the specific criteria for identifying wetland edges contained in Appendix 4.~~
- ~~B. Any flowing body of water and the adjacent upland where the inland (upland) limit of the flowing body of water shall be determined consistent with the definition of flowing body of water contained in Rule 5.38 and the specific criteria for identifying wetland edges contained in Appendix 4.~~
- ~~C. Any wetland other than those listed above, and any adjacent non-wetland area.~~

~~The edge of wetlands shall be identified according to those procedures set forth in these Rules. (See Appendix 4).~~

~~5.28 **Emergency Alteration** means an activity or alteration authorized by the Director within any wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, area which must be undertaken to protect the health and safety of the public from actual or threatened imminent harm.~~

~~5.29 **Emergent Plant Community** means a wetland characterized by erect, rooted, herbaceous hydrophytic vegetation which is present for most of the growing season in most years, and which may be persistent or non-persistent in nature.~~

~~5.30 **Excavate** means to dig into, cut, quarry, uncover, remove, displace, relocate, or grade any earth, soil, sand, gravel, rock, peat, organic, inorganic or any other similar material.~~

~~5.31 **Existing** means: (1) a condition that was present as of the enactment of the Freshwater Wetlands Act or its applicable amendments and has continually remained in the same condition; or (2) a condition that is present and was approved under the Freshwater Wetlands Act or its applicable amendments; or (3) a condition that has naturally occurred and is currently present.~~

~~5.32 **Facultative Wildlife Species** means wildlife which utilize wetlands as habitat, but generally do not require wetlands for survival or reproduction.~~

~~5.33 **Farmer** means, as defined in Section 2-1-22(i) of the Act, an individual, partnership or corporation who operates a farm and has filed a 1040F U.S. Internal Revenue Form with the Internal Revenue Service, has a state of Rhode Island farm tax number, and has earned Ten Thousand Dollars (\$10,000) gross income on farm products in each of the preceding four (4) years.~~

~~5.34 **Feasible** means capable of being done, executed, accomplished or brought about by engineering standards.~~

~~5.35 **Fill** means to place dirt, soil, stones, gravel, sand, sediment, tree stumps, brush, leaves, solid waste, debris, garbage, trash, pollutants, or any other material, substance, or structure, either foreign or related, on or in any wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, or in such a way as to alter the natural character, function and/or value of any wetland.~~

~~5.36 **Flood Plain** means that land area adjacent to a river or stream or other body of flowing water which is, on the average, likely to be covered with flood waters resulting from a one hundred (100) year frequency storm and which is subject to regulation in order to safeguard the functions and values of freshwater wetlands and flood plains. A one hundred (100) year frequency storm is one that is to be expected to be equaled or exceeded once in one hundred (100) years; or may be said to have a one percent (1%) probability of being equaled or exceeded in any given year. Rainfall intensity data for a one hundred (100) year frequency storm are those established for New England locations by the National Weather Service (formerly the U.S. Weather Bureau).~~

~~5.37 **Floodway** means the channel of a river or stream, plus any immediate adjacent areas that must be kept free of encroachment in order that the 100 year flood waters can be carried without increase in flood heights or flows and without endangering life and/or property.~~

~~5.38 **Flowing Body of Water** means any river, stream, or intermittent stream which flows long enough during the year to develop and maintain defined channels and generally has flowing waters at times other than those periods immediately following storm events. Such watercourses have defined banks, a bed, and maintain visible evidence of flow or continued reoccurrence of flowing water.~~

~~5.39 **Forested Wetland** means a wetland dominated by woody plants (trees) greater than twenty feet (20') tall.~~

~~5.40 **Freshwater Wetland** means the following:~~

- ~~A. Bog, pond, marsh, swamp, river, area(s) subject to flooding, area(s) subject to storm flowage, floodway, flowing body of water, stream, intermittent stream, submergent and emergent plant communities, special aquatic sites, and shrub and forested wetland located in the vicinity of the coast;~~
- ~~B. Those areas located in the vicinity of the coast, that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions; and~~
- ~~C. Any or all wetlands located in the vicinity of the coast, created as part of, or the result of, any activity permitted or directed by the DEM after July 16, 1971 including, but not limited to: restored wetlands; value replacement wetlands created to compensate for wetland loss such as flood plain excavations; biofiltration areas; and any wetlands created, altered or modified after July 16, 1971.~~

~~The Director has the sole authority to determine which areas are freshwater wetlands located in the vicinity of the coast.~~

~~5.41 **Growing Season** means the period from April 1 to November 15 of any calendar year.~~

- ~~5.42 **Hydrophyte/Hydrophytic Vegetation** means a plant (plant life) that grows in water, or in or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.~~
- ~~5.43 **Insignificant Alteration** means, in the opinion of the Director, a proposed alteration, limited in scope, area and/or duration, which appears to result in no more than a minimal change or modification to the natural characteristics, functions, and/or values of any freshwater wetland(s), area(s) of land within fifty (50) feet, riverbanks, and flood plains, and is not random, unnecessary and/or undesirable.~~
- ~~5.44 **Intermittent Stream** (See Stream).~~
- ~~5.45 **Lentic** means a habitat or ecosystem characterized by standing water.~~
- ~~5.46 **Lotic** means a habitat or ecosystem characterized by flowing water.~~
- ~~5.47 **Low Flow Period** means, under normal conditions, the period from July 1 to October 31 of any calendar year.~~
- ~~5.48 **Maintenance Activities** means those actions necessary to ensure the upkeep of manmade structures which were constructed with all necessary federal, state and/or local permits; and other limited activities as set forth in Rule 6.03.~~
- ~~5.49 **Marsh** means a place not less than one (1) acre in extent wholly or partly within the state of Rhode Island where a vegetational community shall exist in standing or running water during the growing season and/or shall be made up of one or more of, but not limited to nor necessarily including all of the following plants or groups of plants: hydrophytic reeds (*Phragmites*), grasses (*Gramineae*), mannagrasses (*Glyceria*), cutgrasses (*Leersia*), pickerelweeds (*Pontederiaceae*), sedges (*Cyperaceae*), rushes (*Juncaceae*), cattails (*Typha*), water plantains (*Alismataceae*), bur-reeds (*Sparganiaceae*), pondweeds (*Zosteraceae*), frog's bits (*Hydrocharitaceae*), arums (*Araceae*), duckweeds (*Lemnaceae*), water lilies (*Nymphaeaceae*), water milfoils (*Haloragaceae*), water starworts (*Callitrichaceae*), bladderworts (*Utricularia*), pipeworts (*Eriocaulon*), sweet gale (*Myrica gale*), buttonbush (*Cephalanthus occidentalis*).~~
- ~~5.50 **Mitigate/Mitigation** means a process undertaken as an individual action or by cumulative actions to avoid or lessen the damaging effects of human activities upon freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and the functions and values that they provide prior to, during, and/or after the completion of any freshwater wetland alterations or projects.~~
- ~~5.51 **Near or at the Surface** means within thirty six inches (36") of the surface.~~
- ~~5.52 Not applicable.~~
- ~~5.53 **Objection of a Substantive Nature** means any written comment offered in opposition to a proposed project which:~~
- ~~A. Relates to the functions and values of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; and~~
 - ~~B. Has not been clearly addressed by the applicant in his or her application; has not been assessed by the CRMC during its review of the application; and cannot be resolved by the CRMC's evaluation of the application.~~
- ~~5.54 **Obligate Wildlife Species** means wildlife which depend upon wetlands for all or part of their life cycle.~~

~~5.55 **Open Standing** means those surface water areas which are not dominated by persistent vegetative cover (i.e., less than fifty percent (50%) of the water body surface is dominated by persistent emergent, shrub, or tree vegetation either as a single life form group or in the aggregate).~~

~~5.56 **Ordinary High Water Mark** means the line separating land flooded at high water from land exposed at high water and indicated by physical characteristics such as a clear, natural line exposed on the bank; shelving; changes in the character of soil; absence of terrestrial vegetation; the presence of water borne natural litter and debris; or other appropriate means that consider the characteristics of the surrounding areas.~~

~~5.57 Not applicable~~

~~5.58 **Permit** means an authorization, in the form of an assent issued and signed by the Director, which allows the conditional alteration of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~

~~5.59 **Person or Agent Responsible** means any individual; firm; industry; company; corporation; city; town; municipal; state or federal agency; fire district; club; nonprofit agency; other individual, group, or association; or any combination of the above that conducts, allows to be conducted, or maintains any activity or condition in violation of the Act, and/or any order, Rule, or Regulation of the CRMC, without first obtaining the approval of the CRMC.~~

~~5.60 **Pollutant** means any material or effluent which may alter the aesthetic, chemical, physical, biological, or radiological characteristics and/or integrity of any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, including, but not limited to, dredged spoil; solid waste; incinerator residue; sewage; garbage; sewage sludge; munitions; chemical wastes; biological materials; radioactive materials; heat; wrecked or discarded equipment; rock; sand; dirt; sediment; industrial, municipal, agricultural or other wastes; and petroleum or petroleum products including, but not limited to, oil.~~

~~5.61 **Pollution** means the alteration of the aesthetic, chemical, physical, biological, or radiological characteristics and/or integrity of any freshwater wetland as a result of the introduction of any pollutant to any freshwater wetland.~~

~~5.62 **Pond** means a place not less than one quarter (1/4) acre in extent, natural or manmade, wholly or partly within the state of Rhode Island, where open standing or slowly moving water shall be present for at least six (6) months a year.~~

~~5.63 **Preliminary Determination** means a notification, in the form of a letter issued and signed by the Director, which informs the applicant as to whether or not a proposed project represents a significant alteration as defined herein.~~

~~5.64 **Property Accessory** means a structure that has an ancillary or supplementary function to the main use of the property. Property Accessories shall include: amateur radio towers, flag poles, swing sets, slides, decks, patios, gardens, sheds, in ground or above ground swimming pools, fences that do not span or obstruct public access to rivers streams and other waterbodies (along and within boundaries or areas such as existing home lawns and driveways), treehouses, drinking water wells with a volume of withdrawal to be no greater than 500 gallons per day, walls, stairs, walks, and pervious driveways.~~

~~5.65 **Proposed Project** means the outermost boundary of the proposed alteration of wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. Such area must include at least the following:
A. The extent of all physical disturbance in regulated areas;~~

- ~~B. The extent of any impoundment and/or raising of water elevations in wetlands;~~
- ~~C. The extent of drainage of wetlands including lowering of surface and sub-surface water elevations;~~
- ~~D. The relocation of flowing bodies of water or watercourses including the original and proposed locations; and~~
- ~~E. The expansion of any regulated areas into adjacent properties.~~

~~5.66 **Random Alteration** means any alteration for which the applicant does not specify in writing through design plans and drawings, the final developed use of the property upon which an application is predicated; or any alteration proposed which is arbitrary or without justification.~~

~~5.67 **Rare Species or Rare Wetland Type** means those invertebrate and vertebrate animals or plant species (which exist either individually or as a group) or wetland types listed as threatened, endangered, of special interest or of special concern by DEM's Rhode Island Natural Heritage Program; by DEM's Division of Fish and Wildlife; and/or under the Federal Endangered Species Act.~~

~~5.68 **Reasonably Available** for purposes of Rule 10.00 et seq., means properties which, either in whole or in part, are financially obtainable without excessive cost based upon individual circumstances, or may be obtained without excessive hardship such as property owned or controlled by the same family, company, group of affiliated companies or corporate entities, or other organizations, municipality or state or federal governments.~~

~~5.69 **Recreational Activities** means those activities which include, but are not limited to, the following: education or nature studies, hunting, fishing, boating, canoeing, camping, trapping, waterskiing, swimming, ice skating, hiking, bird watching or other wildlife observations, photography, cross-country skiing, harvesting of natural foods or plant materials, and visual/aesthetic appreciation of natural wetland environments as a whole or in part.~~

~~5.70 **Renewal/Permit Extension** means any approval or permit which has been reaffirmed or extended by the CRMC prior to the expiration date of the original permit granted.~~

~~5.71 **Restoration – Complete Restoration** means the result of actions which, in the opinion of the CRMC, reinstates or will reinstate, insofar as possible, the functions and values of a wetland which has been altered.~~

~~5.72 **Retention Facility** means a basin, depression, or other manmade structure excavated, constructed, or installed to hold stormwater flows or runoff.~~

~~5.73 **River** means a body of water designated as a perennial stream by the United States Department of Interior Geologic Survey on 7.5 minute series topographic maps and which is not a "pond" as defined in these Rules.~~

~~5.74 **Riverbank/River Bank** means that area of land within two hundred feet (200') of the edge of any flowing body of water having a width of ten feet (10') or more, and that area of land within one hundred feet (100') of the edge of any flowing body of water having a width of less than ten feet (10') during normal flow.~~

~~5.75 **Sediment** means any organic or inorganic material that is in suspension, has been deposited, is being transported, or has been moved from its site of origin by air, water, gravity, or ice.~~

- ~~5.76 **Sediment Facility** means any basin, depression or other manmade structure excavated, constructed or installed to retain sediment and/or debris, and prevent sediment and/or debris from entering any freshwater wetlands.~~
- ~~5.77 **Selective Cut/Cutting** means the cutting of trees or the mowing or cutting of shrubs and/or emergent vegetation which would result in:~~
- ~~A. At least 60% stocking of trees remaining in any forested wetland. Stocking shall be based upon the applicable northeastern tree stocking guide for the dominant tree type within the forested wetland;~~
 - ~~B. At least 75% crown cover of shrubs remaining within any shrub or forested wetland;~~
 - ~~C. At least 80% cover remaining in any emergent community.~~
- ~~5.78 **Shrub Wetland** means a wetland dominated by woody plants less than twenty feet (20') tall.~~
- ~~5.79 **Significant Alteration** means, in the opinion of the Director, a proposed project which by its area, scope and/or duration, appears to represent more than a minimal change or modification to the natural characteristics, functions and/or values of any freshwater wetland(s), area(s) of land within fifty (50) feet, riverbanks, and flood plains; may be detrimental to the basic natural capabilities or values associated with any freshwater wetland(s), area(s) of land within fifty (50) feet, riverbanks, and flood plains; and/or appears to be random, unnecessary and/or undesirable.~~
- ~~5.80 **Significant Part of the Growing Season** means that period of the growing season when water is present long enough to support a plant community of predominantly hydrophytic vegetation.~~
- ~~5.81 **Special Aquatic Site** means a body of open standing water, either natural or manmade, which does not meet the definition of "pond" but which is capable of supporting and providing habitat for aquatic life forms as documented by:~~
- ~~A. presence of standing water during most years as documented on site or by aerial photographs; and~~
 - ~~B. presence of habitat features necessary to support aquatic life forms of obligate wildlife species, or the presence, documented use, or evidence of aquatic life forms of obligate wildlife species (excluding biting flies).~~
- ~~5.82 **Standing Water** means any water above the ground surface regardless of its depth.~~
- ~~5.83 **State Highway Project** means a highway project proposed by the Rhode Island Department of Transportation which has been submitted under a single application for CRMC review.~~
- ~~5.84 **Stream/Intermittent Stream** means any flowing body of water or watercourse other than a river which flows during sufficient periods of the year to develop and maintain defined channels. Such watercourses carry groundwater discharge and/or surface runoff. Such watercourses may not have flowing water during extended dry periods but may contain isolated pools or standing water.~~
- ~~5.85 **Submergent Plant Community** means a wetland characterized by plants that grow principally below the surface of the water for most of the growing season. Submergent plants are either attached to the substrate or float freely in the water.~~
- ~~5.86 **Surface Water** means water present above the substrate or soil surface.~~
- ~~5.87 **Swamp** means a place not less than three (3) acres in extent wholly or partly within the state of Rhode Island where groundwater shall be near or at the surface of the ground for a significant part of the growing season, or where runoff water from surface drainage shall collect frequently, and/or where a vegetational community shall be made up of a significant portion of one or more of, but not limited to~~

nor necessarily including all of the following: red maple (*Acer rubrum*), elm (*Ulmus americana*), black spruce (*Picea mariana*), white cedar (*Chamaecyparis thyoides*), ashes (*Fraxinus*), poison sumac (*Rhus vernix*), larch (*Larix laricina*), spice bush (*Lindera benzoin*), alders (*Alnus*), skunk cabbage (*Symplocarpus foetidus*), hellebore (*Veratrum viride*), hemlock (*Tsuga canadensis*), sphagnum (*Sphagnum*), azaleas (*Rhododendron*), black alder (*Ilex verticillata*), coast pepperbush (*Clethra alnifolia*), marsh marigold (*Caltha palustris*), blueberries (*Vaccinium*), buttonbush (*Cephalanthus occidentalis*), willow (*Salicaceae*), water willow (*Decodon verticillatus*), tupelo (*Nyssa sylvatica*), laurels (*Kalmia*), swamp white oak (*Quercus bicolor*), or species indicative of marsh.

5.88 Terms, Conditions and Stipulations means any requirements specified by the CRMC which are necessary to prevent any authorized or permitted project or activity from reducing the functions and values associated with any wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains; prevent any significant alteration which is not authorized; prevent the destruction of any wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, or portion thereof; or protect the health, welfare, and general well being of the public. These terms and conditions may include, but not be limited to, the following:

- A. Soil stability, including prevention of erosion and deposition of sediment in any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains;
- B. Flood prevention;
- C. Protection of wildlife and wildlife habitat and its functions and values;
- D. Preservation of recreational activities and values;
- E. Protection of water quality;
- F. Development and maintenance of mitigative features;
- G. Time for completion including restrictions thereof;
- H. Statutory and/or regulatory requirements and limitations;
- I. Construction phasing; and
- J. Monitoring and reporting for compliance and enforcement.

5.89 Undesirable Alteration means any proposed activity or alteration which is likely to reduce or degrade any freshwater wetland functions and values, area(s) of land within fifty (50) feet, riverbanks, and flood plains, as set forth herein. Any activity, alteration or proposed project will be considered "undesirable" unless the applicant shows that she or he has, to the maximum extent possible, mitigated for any damaging effects of the proposed project upon the functions and values provided by any freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.

5.90 Unnecessary Alteration means any proposed alteration which is not essential, vital, or indispensable to the proposed project and which can be achieved without altering or disturbing freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. Any activity, alteration, or project will be considered "unnecessary", unless the applicant shows that:

- A. Alterations of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and the functions and values they provide have been avoided by exhausting all other non-wetland alternatives; and
- B. The alterations planned for the wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, have been reduced to the maximum extent possible to prevent any damaging or detrimental effects upon wetland functions and values from activities which could otherwise be avoided.

5.91 Utility means any electric, water, sewer, gas, oil or communication transmission line or pipe.

5.92 Wetland Complex means any wetland ecosystem containing more than one wetland type as defined within the Act and these Rules.

~~5.93 **Width During Normal Flow** means the distance between the opposite edges of the flow channel of the river, stream, or intermittent stream. The channel edges are indicated by evidence of erosion, scouring, destruction or prevention of terrestrial vegetation, distinct banks, or other easily recognized or distinct characteristics indicating the confined area of a flowing body of water.~~

~~5.94 **Wildlife** means any vertebrate or invertebrate animal species which may reproduce in, rest in, feed in, or otherwise utilize any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, regulated by the Act or these Rules.~~

~~5.95 **Wildlife Habitat** means those freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, that provide breeding, nursery, resting, travel or feeding areas for birds, fish, reptiles, mammals, amphibians, or invertebrates, as well as the biotic and/or abiotic characteristics of freshwater wetlands which may provide food, cover, breeding sites, or other life support systems for these forms of life.~~

~~5.96 **Additional Definitions**~~

~~H. **Coastal Feature** means any coastal beach; barrier island or spit; dune; coastal wetland; coastal headland, bluff or cliff; rocky shore, or; manmade shoreline, as defined in the Rhode Island Coastal Resources Management Program.~~

~~I. **Coastal Resources Management Program** or RICRMP means the coastal zone management program adopted by the state of Rhode Island in accordance with R.I.G.L. 46-23 and approved under the federal Coastal Zone Management Act of 1972 (16 U.S.C.A. §§1451 to 1464).~~

~~J. **Council** means the Rhode Island Coastal Resources Management Council or CRMC.~~

~~K. **Management Procedures** means the definitions and procedures adopted by the CRMC in accordance with R.I.G.L. 42-35 and contained in the State of Rhode Island, Coastal Resources Management Council Management Procedures.~~

~~L. **SAMP** means a Special Area Management Plan adopted by the CRMC.~~

~~A. **Setback** means the minimum distance from the edge of a freshwater wetland at which an approved activity or alteration may take place.~~

~~G. **In the vicinity of the coast** means those areas designated on maps accompanying this program under the jurisdiction of the CRMC and subject to these Rules and Regulations.~~

Rule 6.00 - Exempt Activities

6.01 General Conditions for Exempt Activities

A. Certain limited activities in freshwater wetlands, in the area of land within fifty feet (50'), flood plains, or on river banks may proceed without a specific written permit from the CRMC under the restrictions set forth below. Such restricted activities shall be considered exempt from the requirement to obtain a permit. It is strongly recommended that all exempt activities or projects occur as far away from freshwater wetlands as possible.

B. Nothing in this Rule 6.00 shall be deemed to:

- 1) Limit or reduce, in any way, the CRMC's jurisdiction over *freshwater wetlands in the vicinity of the coast*, ~~area(s) of land within fifty (50) feet, riverbanks, and floodplains or~~
- 2) Supersede any current terms or conditions to any *permit*, or
- 3) Interfere with the CRMC's ability to make a determination or decision on an application, or
- 4) Impose terms, conditions or stipulations on any permit, enforcement action or Consent Agreement.

Any activities not described within this Rule which could *alter* the character of any *freshwater wetlands* require a specific written *permit*.

C. Nothing in this Rule shall preclude the CRMC from initiating an enforcement action in the event of any failure to undertake exempt activities in accordance with the requirements and conditions set forth herein.

D. The following general restrictions apply to all activities performed under this Rule:

- 1) Exempted activities do not obviate the need to obtain other applicable federal, state, or local permits, approvals, or authorizations required by law;
- 2) Any structure or fill exempt under this Rule shall be properly maintained to ensure public safety, and to protect wetland functions and values;
- 3) Best management practices for erosion and sediment controls must be used and maintained in effective operating condition during the activity, and all exposed soil and other fills must be permanently stabilized at the earliest possible date. ~~(For guidance see See Rhode Island Soil Erosion and Sediment Control Handbook and the latest version of the Rhode Island Stormwater Design and Installation Standards Manual for design guidance and additional requirements-);~~
- 4) No activity exempted herein may jeopardize the continued existence of a rare wetland type, or a rare species; likewise, no activity exempted herein may destroy or adversely modify the critical habitat of such species;
- 5) Following the limited activity, all equipment used in installation or maintenance activities shall be removed from any wetland, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains;~~ and
- 6) All wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains~~ functions and values must be protected to the maximum extent possible so as to prevent *pollutants, sediment*, direct discharge of stormwater runoff, or any material foreign to a wetland or hazardous to life, from entering any wetland, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~

~~4)E.~~ Activities exempt in accordance with this Rule are not exempt from any applicable requirements contained in the Rhode Island Coastal Resources Program, including any applicable SAMP.

6.02 Limited Cutting or Clearing of Vegetation

Limited cutting or clearing of vegetation in *freshwater wetlands*, ~~in the area of land within fifty feet (50'), on river banks, or flood plains~~, is allowed in accordance with Rule 6.01 only when:

- A. The cutting is to remove tree limbs or dead or diseased trees or shrubs which, if left unattended, pose a threat to individuals, dwellings, structures, or safe vehicle movement over roads and driveways; or
- B. The cutting is for purposes of trimming back and removing grasses, weeds, and/or shrubs encroaching upon existing or approved landscaped areas, fields, pastures and/or recreational areas, provided that the cutting is not taking place in an area designated to be planted, revegetated, and/or set aside to revert to a natural wild state for any *mitigation* or *restoration* purposes as a result of any term, condition or stipulation of any permit, approval, assent or enforcement action issued by the CRMC or DEM, or any Consent Agreement entered with the CRMC or DEM; or

- C. The cutting is for obtaining firewood for non-commercial, individual use, is selective in nature, and ensures the long-term protection and stability of the forested habitat. The use of any motorized vehicle(s) for this purpose in any swamp; marsh; bog; pond; special aquatic site; or forested, shrub or emergent wetland is prohibited; or
- D. The cutting is selective, and is carried out under the supervision of and in cooperation with the DEM's Division of Forest Environment (DFE) and:
 - 1) The DFE or property owner notifies the CRMC that a notice of intent to cut, or an approved written management plan submitted under the Farm, Forest and Open Space Act or the Stewardship Incentives Program is on file with the DFE; and
 - 2) The cutting operation proceeds under those *best management practices* developed and approved by the DFE; and
 - 3) The cutting operation results in no permanent degradation or loss of any *wildlife habitat* associated with any *freshwater wetland*, including ~~areas of land within fifty (50) feet, and~~ perimeter and riverbank wetland and flood plains; and
 - 4) Equipment crossings are limited to wetland types consisting of areas subject to storm flowage or *intermittent streams* or a *river* less than ten feet (10') wide through the use of temporary "corduroy" log roads. This log crossing must not restrict natural flow patterns and wildlife movements, and must be removed immediately following the harvesting operation. All disturbed wetland areas in the vicinity of the crossing must be restored to a natural condition and stabilized; and
 - 5) Best management practices for erosion and *sediment* control are followed throughout the life of the project; (See *Rhode Island Soil Erosion and Sediment Control Handbook*); or
- E. The cutting is for the maintenance of existing or approved footpaths or pedestrian trails, or maintaining cleared areas immediately along, but no greater than ten feet (10') from, the edges of driveways and access roads for vehicle safety and access; or
- F. The cutting is within *existing* or approved cleared *utility* rights-of-way and is restricted to only that necessary to maintain integrity of the utility line or pipe itself and to maintain access for maintenance, inspection and/or repair of poles, structures and equipment within the right-of-way; or
- G. The cutting is on or along property lines for survey purposes or is on an established transect line to allow for access on foot when conducting environmental assessments, and is no greater than five feet (5') in width; or
- H. Clearing or removal of any floating or submergent plants is limited to that area immediately adjacent to, but no more than fifteen feet (15') from, *existing* or permitted docks accessing freshwater; freshwater beaches; and/or freshwater swimming areas. The clearing or removal of such vegetation is accomplished only through the manual use of hand-held implements; or
- I. The cutting is restricted to existing drainage ditches, swales, and/or embankments of detention and retention facilities as a normal maintenance activity and/or best management practice; or
- J. The cutting is performed to remove individual trees or portions thereof that have fallen over or into rivers normally accessible by canoes, kayaks, or boats.
- K. The cutting is for *invasive species* control, including removal of invasive trees, shrubs, vines, or emergent vegetation, where necessary to facilitate the growth of native plants, provided that the project plans and details are submitted to the CRMC for review and approval, and the project is deemed by the CRMC to contain the necessary controls, expertise and follow-up monitoring to ensure success of the invasive control project.

6.03 Limited Maintenance and Repair Activities

~~The following limited repairs to, and maintenance of approved or existing structures in current use located in wetlands, in the area of land within fifty feet (50'), on riverbanks, or flood plains, are allowed in accordance with Rule 6.01 and provided that the maintenance activity does not increase either vertically or horizontally the physical size of any existing structure. However, some limited structural changes may be exempt as specifically provided below. Limited repair and maintenance of an existing structure located in a wetland is allowed under Rule 6.01 as specifically provided below, so long as the repair or maintenance does not increase the size of the structure vertically or horizontally. Some limited structural changes also may be exempt, as specifically provided below. For purposes of this Rule 6.03, repair and maintenance is limited to routine activities necessary to ensure the upkeep of structures built in accordance with all necessary federal, state and local *permits*.~~

- A. Exterior and interior work on a structure necessary to maintain its integrity and condition; or
- B. Replacement of functional drainage structures provided that:
 - 1) Culverts of more than fifty feet (50') are the same type, size, length, capacity and invert elevation as the present structure;
 - 2) Culverts of fifty feet (50') or less maintain the same slope, a nominally equivalent cross-sectional area and the same invert elevation as the present structure with no more than five foot (5') extensions in length on either end;
 - 3) The project does not result in sediment transport to wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ or any filling, draining, or impoundment of wetlands beyond what was approved or existing; and
 - 4) The property owner maintains site plans which detail the condition of the drainage structure as it existed prior to replacement. A riprap scour pad not greater than ten feet (10') in length may be placed at the culvert outfall if an erosion problem is evident, provided that the access for fish and wildlife is not impeded; or
- C. Normal maintenance of existing or approved property accessories and lawns; or
- D. Cleaning of drainage pipes, culverts, catch basins and manholes; or
- E. Repaving of, or undertaking normal roadway maintenance of, paved public and private roadways or bikeways. Normal roadway maintenance includes: resurfacing and/or in-place recycling of paved surfaces; repairs to, resetting or replacing curbs, berms, sidewalks or guardrails; addition of guardrails, signing, striping or signals; adjusting manholes, catch basins or utility structures to grade; and structural repairs to, or in-place replacement of manholes, catch basins or grates. Paving or oiling of dirt roads, however, is considered an alteration which requires a permit; or
- F. Repair to or maintenance of a stream crossing, such as a stone ford and its approach, or any unpaved road which is used at least on an annual basis, provided that any increase in road surface cover does not require the expansion of any slopes further into the wetland beyond the present toe of slope, and any increase in height does not exceed two (2) inches. Repair or maintenance to any stream crossing and its approach must be done during low or no flow periods; or
- G. Repair of docks and foot bridges located outside of any area within 200 feet of a coastal shoreline feature. This does not include enlargements or extensions; or

- H. Repair to boat ramps which does not include enlargements, located outside of any area within 200 feet of a coastal shoreline feature; or
- I. Repair to any bridge located outside of any area within 200 feet of a coastal shoreline feature, provided that the repair is undertaken from the deck or roadway, that no equipment is placed in any watercourse or wetland for the purpose of the repair, and that any material removed from the structure during repair is disposed of properly; or
- ~~J. Inspection, maintenance and repair to any water control structure within a dam provided that the Department receives written notification ten (10) days prior to the commencement of activity. Such notice must explain the activity to be performed, and must state the expected time of completion. The normal water surface elevation shall not be substantially lowered except for that specifically necessary to complete the inspection, maintenance and/or repair. Where possible, either normal water elevations or temporarily lowered water elevations must be maintained by the use of temporary coffer dams. Such coffer dams must remain in place until maintenance is completed and must be removed upon project completion; or~~
- ~~KJ. Removal of manmade trash from watercourses and other wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, without causing any change in the profile or general character of any watercourse or other wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. Removal must be performed manually, or by equipment when chains or cables can be attached to the item to be removed and the equipment can be operated from a road, parking area, or other similar location. Removal of natural material such as logs, brush, or trees from the watercourses and other wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, must be limited to problem locations where lack of removal will result in erosion or blockage of culverts, obstruction of existing paths, or prevention of canoeing access; or~~
- ~~LK. Repair to or in-kind, in-place replacement of shoreline stabilization structures, excluding those adjacent to tidal waters, such as stone and/or masonry walls provided that there is no expansion of the structure and no material is placed in any location or in any manner that would impair *surface water* flow, and no material is placed in a manner such that it will be eroded by normal or expected high *surface water* flows; or~~
- ~~ML. Maintenance of soil erosion and sediment control management practices and stormwater management practices in accordance with ~~an a plan approved plan~~ by the CRMC (as per Rule 5.07); or~~
- ~~NM. Maintenance of existing or approved freshwater bathing beach that does not expand or otherwise change the size or shape of the beach; or~~
- ~~ON. Inspection, maintenance and repair to those *utility* poles, structures, equipment or underground lines or pipes which are necessary to provide *utility* services to the public; or~~
- ~~PO. Replacement of *utility* poles, including changes in physical size, without any change to existing or approved cleared rights of way; or~~
- ~~QP. Repair and replacement of *utility* lines attached to existing or approved bridges or in existing or approved roadways and railway beds provided antiseepage collars are used as appropriate to prevent subdraining effects on wetlands; or~~

RQ. Maintenance by municipalities of *surface water* impoundments used for drinking water supplies, provided that all maintenance activities occur within the *existing* boundary perimeters of the impoundment and that the municipality provide the CRMC with twenty (20) days advance written notice of such maintenance activity; or

SR. Repair and replacement of drinking water wells and its supply lines provided that the following conditions are met:

- 1) All cleared vegetation is allowed to regrow naturally;
- 2) The volume of withdrawal from the replacement well is no greater than 500 gallons per day;
- 3) The repair/replacement well is for the same use as its predecessor;
- 4) The repair/replacement well will service the same lot as its predecessor;
- 5) No other feasible upland alternative is available; and
- 6) All disturbances to wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ are limited to the maximum extent possible; or

TS. Repair of failed ~~individual sewage disposal~~ onsite wastewater treatment system, made in accordance with the DEM Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Individual Sewage Disposal Onsite Wastewater Treatment Systems; or

UT. In-kind replacement of existing or approved buildings and constructed property accessories if destroyed by fire or natural causes.

6.04 Demolition of Buildings or ~~Property Accessories~~ Accessory Structures

Demolition of buildings, parking areas or ~~property accessories~~ accessory structures is allowed in accordance with Rule 6.01 only where:

- A. Building, parking area or ~~property~~ structure is not to be rebuilt;
- B. Disposal of material is accomplished in accordance with all state laws and rules and the material is not disposed of or stockpiled in wetlands, ~~in the area of land within fifty feet (50'), on riverbanks, or flood plains;~~
- C. All pre-demolition grades are restored and all disturbed soils are stabilized;
- D. Clean *fill* is used, where foundation holes or cellars of demolished buildings are to be filled;
- E. All rubble and demolition debris are removed from the soil surface when demolition is complete;
- F. Demolition activity and equipment operation are maintained within existing or approved disturbed areas on the property; and
- G. All disturbed soils are loamed and seeded.

6.05 Single Family Residences and ~~Property Accessories~~ Accessory Structures

The following limited changes to existing or approved single family residences and ~~property accessories~~ accessory structures are exempt in accordance with Rule 6.01 provided that: (1) No vegetated wetlands, ~~naturally vegetated riverbanks or areas of land within fifty feet (50')~~ ~~currently naturally vegetated~~ are altered or artificially illuminated; (2) All construction activity is located within existing or

approved cleared areas, such as parking areas, lawns or cultivated fields; and (3) All construction activity is located outside of *floodplains* and at least 25 feet from any *pond, marsh, swamp*, or wetland complex and at least 50 feet from any *flowing body of water* or *bog*:

- A. Horizontal addition, such as a family room, bedroom, attached garage, or house wing, that is no larger than 600 square feet in footprint;
- B. Vertical addition of no more than one story;
- C. Attached deck, enclosed porch, exterior ramp, or patio no more than 600 square feet in footprint;
- D. Stand-alone garage, shed, or greenhouse no more than 600 square feet in footprint;
- E. Pervious driveway of no more than 600 square feet; or
- F. Alteration to an ~~individual sewage disposal~~ onsite wastewater treatment system approved in accordance with the DEM Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Individual Sewage Disposal Onsite Wastewater Treatment Systems.
- G. Other ~~property accessories~~ accessory structures (see Rule 5.64 for definition of property accessory) except as limited in Rule 6.05 (A-F).

6.06 Nonresidential Buildings or Multifamily Residences and ~~Property Accessories~~ Accessory Structures

The following limited changes to existing or approved nonresidential buildings or multifamily residences and ~~property accessories~~ accessory structures are exempt in accordance with Rule 6.01 provided that: (1) No vegetated wetlands, ~~naturally vegetated riverbanks or areas of land within fifty feet (50') currently naturally vegetated~~ are altered or artificially illuminated; (2) All construction activity is located within *existing* or approved cleared areas, such as parking areas, lawns or cultivated fields; and (3) All construction activity is located outside of *floodplains* and at least 25 feet from any *pond, marsh, swamp* or wetlands complex and at least 50 feet from any *flowing body of water* or *bog*:

- A. Vertical addition limited to no more than one story with no expansion of the building footprint;
- B. Foundation and enclosure limited, per lot, to no more than: one storage cooler, one dumpster, one equipment shed, or one garage, each of which is no larger than 600 square feet in footprint;
- C. Attached exterior ramp; or
- D. Alteration to an ~~individual sewage disposal~~ onsite wastewater treatment system approved in accordance with the DEM Rules Establishing Minimum Standards Relating to Location, Design, Construction and Maintenance of Individual Sewage Disposal of Onsite Wastewater Treatment Systems.

6.07 Emergency Environmental Protection

- A. Emergency installation of environmental protection structures, and undertaking of activities directly associated with the emergency containment and cleanup of oil and/or hazardous materials in wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains~~, including the resolution

of leaking underground storage tanks, is permissible in accordance with Rule 6.01 provided that such installation or activity is undertaken under the direct supervision of the DEM or federal cleanup personnel, or DEM emergency response personnel. During the emergency cleanup, unnecessary alterations of freshwater wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ shall be prevented to the maximum extent possible, and best management practices for erosion and sediment controls must be initiated and maintained. Where applicable, heavy equipment working in wetlands must be placed on mats and other temporary measures must be taken to minimize soil and habitat disturbance. Following emergency cleanup, the disturbed area must be stabilized and restored to the satisfaction of the CRMC.

- B. The CRMC must be notified of the initiation of emergency environmental cleanup and upon completion of emergency cleanup activities.

6.08 Site Remediation

Activities which may affect freshwater wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ and which are required by the DEM for remediation of contamination resulting from releases of oil and/or hazardous materials are allowed in accordance with Rule 6.01 provided that:

- A. The initial document or plan identifying potential impacts to freshwater wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ and all subsequent action plans are submitted for CRMC review;
- B. All site remediation activities which may affect freshwater wetlands in the vicinity of the coast, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ are under the direct oversight or control of the DEM;
- C. The remediation activities are only those necessary to protect and/or restore freshwater wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ from impacts or substantial threats resulting from actual releases of hazardous materials; and
- D. The remediation activities incorporate all measures necessary to fully protect, replace, restore or mitigate the harm to any affected ~~areas~~ wetlands including best management practices, best available technologies, and any other measures which, in the opinion of the ~~Director~~ CRMC are necessary to:
 - 1) Comply with the substance and intent of these Rules;
 - 2) Protect the wetland environment; and
 - 3) Protect the functions and values provided by freshwater wetlands.

6.09 Utility Emergencies

Emergency access and repair or replacement of utility lines, poles, structures, equipment or facilities which is necessary as a result of storm damage, acts of vandalism, accidents or equipment failure is permissible in accordance with Rule 6.01 provided that all affected wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains,~~ are fully restored following completion of the repair or replacement.

6.10 New Utility Lines

Installation, in accordance with Rule 6.01, of new *utility* lines, poles, structures, equipment or facilities only where installation occurs on, above, or beneath *existing* or approved paved roadways and their *existing* or approved cleared shoulders, or *existing* or approved railroad beds and their *existing* or approved cleared shoulders; and anti-seepage collars are used as appropriate to prevent subdraining effects on wetlands provided that:

- A. *Existing* culverts and the flow of water under bridges in roads or highways are not permanently blocked or disrupted by going under or attaching to such structure;
- B. The *project* does not cause any diversion of ground or *surface water* to or from any wetlands;
- C. The preconstruction contours are restored immediately upon installation;
- D. All work in any wetlands in the easement is undertaken during *low flow periods*;
- E. All disturbed areas are revegetated after restoring contours; and
- F. The *project* design incorporates *best management practices* for dewatering *excavated* areas.

6.11 Agricultural Practices

Continuing agricultural practices in wetlands, ~~in the area of land within fifty feet (50'), on riverbanks, or flood plains,~~ by any property owner other than a *farmer* are permissible in accordance with Rule 6.01 provided that the activities are restricted to *existing* or approved gardens, pastures, and fields which have been in use on a regular basis. Expansion of gardens, pastures, and fields within regulated wetlands, ~~in the area of land within fifty feet (50'), or on river banks~~ is prohibited without written authorization except as provided under Rule 6.12.

6.12 Normal Farming and Ranching Activities

Normal farming and ranching activities carried out in wetlands, ~~in the area of land within fifty feet (50'), on riverbanks, or flood plains,~~ by *farmers* are exempt in accordance with ~~the Freshwater Wetlands~~ Section 2-1-22(i)(1) of the Act.

6.13 Conservation Activities

Conservation activities, such as fish and wildlife management that are carried out on state or federal property by the DEM or by the U.S. Department of Interior Fish and Wildlife Service are permissible in accordance with Rule 6.01. Such activities are limited to the following:

- A. Manipulation of water elevations within impoundment areas on state or federal property for the purpose of habitat and species management;
- B. Management of species and habitat conditions by cutting, clearing, planting, plowing, or prescribed burning; and
- C. The installation of in-stream structures for manipulation and management of fisheries habitat including fish ladders, fish diversions, fish traps and structures to moderate *stream* velocities/volumes for fisheries management objectives.

D. The maintenance, repair, replacement or installation of any water control structure within an *existing low hazard dam* maintained and operated by the Division of Fish and Wildlife for the management or conservation of waterfowl or wildlife.

This Rule does not allow for the installation of new dams, construction of new ponds, or filling or permanent drainage of wetlands.

6.14 Monitoring and Research Activities

The following monitoring and research activities are permitted in accordance with Rule 6.01 provided that there is no permanent loss of wetland, and that any soil disturbance is stabilized and the area is allowed to revert to its natural condition.

- A. Installing groundwater monitoring wells to determine the depth to the water table or the extent of subsurface contaminants; installing groundwater table test pipes necessary for the testing of ~~individual sewage disposal~~ onsite wastewater treatment system design; and taking exploratory borings for soil and ledge/bedrock assessments;
- B. Installing stream flow gauging stations by the United States Geological Survey, Water Resources Division;
- C. Harvesting limited quantities of vegetation to estimate plant productivity or biomass;
- D. Clearing footpaths or transect lines no greater than five (5') feet in width to permit *wildlife* surveys or access to sampling stations or plots;
- E. Excavation of temporary pits for examination of soil properties and for the collection of soil samples; or
- F. Construction of temporary blinds for *wildlife* observation.

6.15 Temporary Recreational Structures

The placement of temporary recreational structures in freshwater wetlands, on riverbanks, or in the area within 50 feet of any freshwater wetland or flood plain, for use during specific events such as water-skiing competitions and boat races is permissible in accordance with Rule 6.01 provided that such structures are removed immediately after the specific event. Such structures consist of temporary buoys, markers, floating docks under one hundred and fifty (150) square feet in size, and other similar structures.

6.16 Moorings and Anchorage for Single Boats in Freshwater

One mooring or anchorage (not to exceed a weight of 100 pounds) per waterfront lot for use by a single boat may be placed in freshwater in accordance with Rule 6.01.

6.17 Emergency Water Withdrawal for Fighting Fires

Emergency withdrawal of water from a pond or flowing body of water for the purpose of fighting fires is permissible in accordance with Rule 6.01 provide that the water withdrawal is for a specific emergency event and that other sources of water are inadequate or inaccessible at the time of the emergency.

6.18 Planting in Perimeter Wetland or Riverbank Wetland

A. Planting in that land area that can only be classified as a *perimeter wetland* or *riverbank wetland* is permissible in accordance with Rule 6.01, provided that the following conditions are met:

- 1) The sole purpose of the *project* is to restore a disturbed, degraded or unvegetated area such as a mowed lawn, a gravel area, or a parking lot;
- 2) No cutting or clearing of trees or shrubs will occur. Cutting of existing groundcover or invasive vegetation to create a plantable site is limited to an area immediately around each new plant, not to exceed a radius that is twice the diameter of the rootball;
- 3) Pavement removal is limited to that area that will be planted;
- 4) All plantings must be native species and suitable for the site condition;
- 5) No excavation, filling, draining or grading is allowed except for a minimal addition of topsoil for each new plant and the application of a layer of mulch or woodchips less than three inches deep around each new plant;
- 6) All disturbed soils must be stabilized with a southern New England native seed mix;
- 7) All plantings must be maintained until they are established; and
- 8) No soil disturbance is allowed from May 15 through September 15 to safeguard potential turtle nesting areas.

For tracking purposes, the property owner is asked to notify the CRMC, in writing, within ten (10) days after completion of the plantings.

6.19 High Hazard and Significant Hazard Dams

Maintenance, repair and emergency repair of high hazard and significant hazard *dams* are permissible, provided that all proposed *projects* and activities adhere to the requirements of the DEM's *Rules and Regulations for Dam Safety*, and provided that the *project* will not result in a *substantial alteration of a dam*, as defined herein. A high hazard *dam* is one where failure or misoperation will result in a probable loss of human life. A significant hazard *dam* is one where failure or misoperation results in no probable loss of human life, but can cause major economic loss, disruption of lifeline facilities or impact other concerns detrimental to the public's health, safety or welfare.

6.20 Low Hazard Dams

A. Limited cutting or clearing of vegetation is permissible, in accordance with Rule 6.01, and as specifically provided for below:

- 1) The cutting or clearing is limited to areas on and adjacent to the *low hazard dam*, such that it does not exceed fifteen (15) feet from the perimeter of the *dam*, including the toe; or
- 2) It is necessary to access the *dam* to complete maintenance activities.

B. Limited maintenance of *low hazard dams* to maintain them in proper working order is permissible, in accordance with Rule 6.01, and provided that the activities are limited to filling minor erosion areas, lubricating and exercising equipment, and re-pointing masonry areas.

C. Inspection, maintenance and repair to any water control structure within a *low hazard dam* is permissible, provided that the CRMC and the DEM Office of Compliance and Inspection receives written notification at least ten (10) days prior to the commencement of the activity. Such notice must explain the activity to be performed, and must state the expected time of completion. The normal water surface elevation shall not be substantially lowered except for that which is necessary to complete the inspection, maintenance or repair of the structure. Where practicable, either normal water elevations or temporarily lowered water elevations must be maintained by the use of

temporary cofferdams. Such cofferdams must remain in place until maintenance is completed and must be removed upon *project* completion.

Rule 7.00 - Regulated Activities and General Procedures for Obtaining Permits **General Application Requirements**

7.01 General Application Forms and Their Submission

- A. ~~A proposed project or activity which may alter freshwater wetlands in the vicinity of the coast, including a project or activity taking place in the area within fifty feet (50'), on a riverbank or flood plain, requires a permit from the CRMC. Except as exempt herein and except for farmers carrying out normal farming and ranching activities in accordance with Section 2-1-22(i)(1) of the Act, no person, firm, industry, company, corporation, city, town, municipal or state agency, fire district, club, non-profit agency, or other individual or group may excavate; drain; fill; place trash, garbage, sewage, road runoff, drainage ditch effluents, earth, rock, borrow, gravel, sand, clay, peat, or other materials or effluents upon; divert water flows into or out of; dike; dam; divert; clear; grade; construct in; add to or take from or otherwise change the character of any freshwater wetland as defined herein, the area within fifty feet (50'), a riverbank or flood plain, in any way, without first obtaining a permit from the CRMC.~~
- B. ~~In addition to those projects or activities proposed either partially or wholly within freshwater wetlands, the area of land within fifty feet (50'), a riverbank, or flood plain, projects or activities which in all likelihood, due to their close proximity to wetlands or due to the size or nature of the project or activity will result in an alteration of the natural character of any freshwater wetland, require a permit from the CRMC. Such projects generally include those which:~~
- ~~1) Result in a change to the normal surface run-off characteristics which increases the rate and/or volume of water flowing into, or draining or diverting water away from, freshwater wetlands by such activities as:
 - ~~(a) Creating or significantly increasing impervious areas;~~
 - ~~(b) Modifying run-off characteristics by grading significant amounts of land area or clearing and permanently modifying significant amounts of vegetative cover on areas draining to freshwater wetlands;~~
 - ~~(c) Diversion of and concentration of surface run-off through swales, ditches, grading, drainage systems and other surface run-off conveyance systems to or away from freshwater wetlands; and/or~~~~
 - ~~2) Result in diversion of groundwater into or away from freshwater wetlands by:
 - ~~(a) Installation of subdrains which will lower groundwater elevations supplying freshwater wetlands or increase flow into wetlands;~~
 - ~~(b) Installation of underground utilities bedded in pervious materials which may act as a subdrain to divert groundwater away from, or concentrate such water to freshwater wetlands;~~
 - ~~(c) Installation of wells, other than wells intended for a single family home, which will remove significant amounts of water supplying and/or affecting any freshwater wetland; and/or~~~~
 - ~~3) Result in a modification to the quality of water reaching freshwater wetlands which could change their natural character; and~~
 - ~~4) Result in construction of a "New" individual sewage disposal system as governed by the Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction~~

and Maintenance of Individual Sewage Disposal Systems (ISDS Regulations), where the leaching field of the ISDS is located within fifty feet (50') of any emergent, shrub, or forested wetland; special aquatic site; area subject to flooding; or area subject to storm flowage.

~~C. Applicants may seek a permit from the CRMC for proposed projects or activities described above in paragraphs (A) and (B) by filing either a Request for Preliminary Determination or Application to Alter.~~

A. Forms Available

Forms for submitting all applications as set forth in the Act and these Rules are available at the CRMC, except that applications involving farming activities referred to in Section 2-1-22(i)(2) of the Act and Rule 11.04 herein, are available at the DEM Division of Agriculture and Resource Marketing.

B. Where To Submit

All applications involving freshwater wetlands in the vicinity of the coast must be submitted for processing directly to the CRMC, except that any applications involving farming activities specifically referred to in Section 2-1-22(i)(2) of the Act must be submitted directly to the DEM Division of Agriculture and Resource Marketing.

C. What To Submit

It is the responsibility of each applicant to submit a complete application package, including an original application form and any additional supporting information required by the CRMC. The application must be accompanied by full payment of the application fee set forth in Rules 7.10 and 7.11.

D. Who May Submit

The applicant must be the owner or owners of the property or easement that is the subject of the application, or it must be the government agency or entity with power of condemnation over such property or easement.

E. Notification of Applicant and Agents

The CRMC will mail notices and other written communications regarding the application to the applicant and to the applicant's attorney, agent or other representative if, at the time the application is filed, the applicant so informs the CRMC in writing of his or her name and mailing address.

7.02 ~~Requests for Preliminary Determination – Permits~~Signatures

~~Permits may be issued by the CRMC for those projects and activities which represent insignificant alterations to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. Applicants may obtain a permit for an insignificant alteration by filing a Request for Preliminary Determination. (See Rule 9.03). Following a determination by the CRMC that the proposed project represents an insignificant alteration, the application will be processed as a Category A application in accordance with section 110 of the Coastal Resources Management Program and Rule 9.03 of these Rules.~~

A. All application forms must be signed by the applicant, and the applicant's name must be clearly printed near the signature. In cases where a power of attorney is exercised, a notarized copy of the power of attorney must be attached to the application.

- B. In cases where the property is owned or controlled by a *person* that is not an individual, the application shall be signed as follows, and shall be accompanied by the titles of all such signatories:
- 1) For a corporation, company, fire district, association, club, non-profit agency or other entity not specifically identified in this Rule 7.02B: by an officer with legal authority to bind the appropriate entity;
 - 2) For a partnership: by a general partner;
 - 3) For a municipal, state or federal government, or any division, subdivision or agency thereof: by either a principal executive officer or by a ranking elected official. For purposes of this section, a principal executive officer of a governmental agency includes:
 - (a) The chief executive officer of the agency, or
 - (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency;
 - 4) For an estate: by the executor/executrix or administrator of the estate.
- C. Applicants proposing *projects* on their own property that involve wetland *alterations* either partially or wholly on property owned or controlled by others must obtain written notarized authorization from the landowner of the property within which *freshwater wetlands* will be directly altered as a result of a proposed *project*. Such written, notarized authorizations must be provided to the CRMC as part of the application package and must expressly authorize the applicant to apply for the proposed site *alterations* as depicted on the site plans submitted with the application. The authorizing landowner does not become an “applicant” as described in Rule 7.01 (D) by granting such written notarized authorization to an applicant. Written notarized authorization shall not be required for *freshwater wetland alterations* associated with full or partial removal of a *dam* proposed for the purpose of habitat improvement, *restoration* or *dam* safety. The *surface water* (impounded) upstream of the *dam* must be considered a *flowing body of water*, and not a *pond*, both prior to and after completion of the *project*. This exemption applies subject to confirmation by the CRMC.
- D. If the applicant is a government agency or entity, the agency or entity must demonstrate that it (1) owns the property or holds an easement of sufficient scope to cover the proposed *project*; or (2) has the requisite power of condemnation with regard to the relevant area. In such cases, authorization from each property owner who owns property containing *freshwater wetlands* that will be altered as a result of a proposed *project* is not required.
- E. Any change in property ownership during the processing of any application will require the following:
- 1) The submission of a new application form with the identity of the new owner and appropriate signatures; and
 - 2) A certified copy of the deed of transfer for Applications to Alter only.

7.03 ~~Applications to Alter~~ — ~~Permits~~ Site Plan Requirements

- A. ~~Permits for significant alterations to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, may only be issued by the CRMC following the submission and processing of an Application to Alter. Such applications will be processed as Category B applications in accordance with section 110.2 of the Rhode Island Coastal Resources Management Program and Rule 9.05 of these Rules.~~

~~B. Prior to filing an Application to Alter, an applicant may file a Request for Preliminary Determination (see Rule 9.03) to determine whether or not a project appears to represent a significant alteration to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. The CRMC recommends that an applicant file a Request for Preliminary Determination prior to filing an Application to Alter, unless the applicant is confident that the project represents a significant alteration to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and that he or she cannot avoid and/or minimize wetland impacts so as to prevent any random, unnecessary and/or undesirable alterations to these resource areas.~~

A. Site plans must be submitted with the following application types: Request to Verify Wetland Edges (Rule 8.03); Request for Preliminary Determination (Rule 9.00); Application to Alter a Freshwater Wetland (Rule 10.00); and Request for Permit Modification (Rule 11.03). Site plans may be required for other application types as specified below and in Rules 8.00 through 11.00.

1) For a Request to Determine the Presence of Wetlands, a site plan, while desirable, is not required, as described in Rule 8.02.

2) For a Request for Regulatory Applicability, plan requirements are described in Rule 8.04.

3) For a Request for Emergency *Alteration*, a site plan may be required, as described in Rule 11.01.

B. The correct number of site plans required by the application package must be provided at the time of submission. If additional plans are required, the applicant will be informed and must submit them.

C. All site plans must be drawn to scale. The scale of all plans must be no smaller than one (1) inch = one hundred (100) feet (1" = 100'); however, a larger scale is preferred (e.g., one (1) inch = forty (40) feet (1" = 40')). Where additional detail is required to complete its evaluation, the CRMC may require larger scaled details.

D. All site plans must be at least 8 ½" x 11" in size but no larger than 24" x 36".

E. All site plans must contain a title block, the original date of the plan, and the latest revision date of the plan if applicable. The title block must include the name of the *person* or party involved, the proposed *project* title, if any, the principal street or road abutting the site, the tax assessor's plat and lot number(s), the city or town, the name of the preparer, and the scale of the plan.

F. All site plans containing more than one (1) sheet must be numbered consecutively (specifically: "page 1 of [total number of sheets]," and so forth).

G. All site plans must contain a legend which explains all markings or symbols.

H. All site plans must have all markings permanently fixed. Site plans that are pieced together with tape or contain markings of pen, pencil, crayon, markers or other items that can be changed or altered at a later date are not acceptable. Blueline or blackline prints or photocopies of originals are acceptable.

I. All site plans must depict at least the following:

1. Street(s) abutting the site with fixed reference points, (e.g., *utility* poles and numbers, house and number, and any other similar structures);

2. Distance and direction to nearest street intersection;
 3. Magnetic North Arrow;
 4. Entire property boundary outline and dimensions, which may be shown on a separate plan sheet;
 5. Inset map showing location of site in the community;
 6. Any other fixed referenced points including, but not limited to, stone walls, buildings, fences, edge of fields/woods, trails, access roads, and parking lots; and
 7. Scale of plans.
- J. All site plans indicating physical features, distances, contour elevations, property lines, wetland edges, or other information provided as baseline data must clearly note whether such information was obtained by on-site survey, by aerial photogrammetry sources, or by reproduction from other maps or plans. Site plan information obtained from aerial photogrammetry sources or by reproduction from other plans or maps must provide an estimate of the maximum possible horizontal or vertical error between the information provided and the actual on-site conditions. Site plans developed from on-site surveys must clearly note what class or standard the survey meets.
- K. All site plans submitted with a Request to Verify Wetland Edges, a Request for Preliminary Determination or an Application to Alter a Freshwater Wetland must accurately depict the *edge* of all *freshwater wetlands* in accordance with Rule 7.04.
- L. All site plans submitted for review or approval of a proposed *project* shall include and depict the following, where applicable:
- 1) Where changes to grades are proposed, both current and proposed contour line elevations at maximum intervals of two feet (2') and where no changes to grades are proposed, include a notation which so indicates;
 - 2) Profiles and cross sections drawn to scale;
 - 3) A labeled 'limit of disturbance' that encloses all proposed temporary and permanent vegetative clearing and surface or subsurface disturbance associated with the proposed *project*;
 - 4) All temporary and permanent erosion and *sediment* controls;
 - 5) All temporary and permanent stormwater, flood protection and water quality management controls, and all *best management practices*;
 - 6) All proposed measures to conduct, contain or otherwise control the movements of *surface water*, groundwater, or stormwater flows; and the ultimate destination of such flows;
 - 7) Any and all construction activities either above or below the earth's surface which may affect any wetland including the height of planned buildings;
 - 8) Any additional specific requirements contained in the application package checklist for proposed *projects*; and
 - 9) A maintenance schedule of all proposed water quality and stormwater control structures.
- M. Each site plan sheet prepared by a registered professional must bear the stamp of that professional, along with the date and his or her signature. Site plans submitted for an Application to Alter a Freshwater Wetland must, pursuant to R.I.G.L. Section 2-1-22, bear the stamp and signature of a Registered Professional Engineer.

7.04 ~~Emergency Alterations~~ Wetland Edge Requirements

~~A. Applicants should refer to Rule 9.01 for requirements to obtain authorization for an emergency alteration.~~

~~B. Applicants who are **not** considered an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety should contact the CRMC for consideration of individual emergency situations.~~

A. Depiction on Site Plans – All site plans must accurately depict the following *freshwater wetland edges* as follows:

- 1) The *edge* of any *swamp, marsh, bog; pond, emergent or submergent plant community, shrub or forested wetland, or any special aquatic site;*
- 2) The *edge* of any *river, stream, intermittent stream, area subject to flooding or area subject to storm flowage;*
- 3) The *edge* of any *fifty-foot (50') perimeter wetland;*
- 4) The *edge* of any *one hundred foot (100') or two hundred foot (200') riverbank wetland;*
- 5) The *edge* and elevation of any *flood plain* and the limit of any *floodway* (Note: The CRMC may grant an exception to this requirement when a) pre-determined 100-year flood elevations are not available from published sources including previous engineering studies; and b) when a Registered Professional Engineer provides clear and convincing documented evidence that the *project* site is above any probable 100-year flood elevation); and
- 6) The name of any surface or flowing water body or any other wetland where applicable.

B. Delineation of Wetland Edges – Each wetland *edge* shall be identified on the property as follows:

- 1) The wetland *edge* shall be flagged with sequentially numbered or lettered flags. Flags must be placed at the wetland *edge* in sufficient numbers to clearly identify the *edge*. The distance between flags must allow for adequate visibility from one flag to another;
- 2) The wetland *edge* shall be surveyed and recorded on a site plan showing the locations and numbers/letters of the flags corresponding with those flags at the site.
- 3) Field delineation of wetland *edges* may not be required in the following instances:
 - a) The wetland has well-defined *edges*, provided that the *edges* are otherwise accurately located, depicted and labeled on the site plans;
 - b) The proposed *project* will be sited in an already disturbed area, and sufficient fixed references are available to allow for on-site confirmation of wetland *edges* (in such cases, depiction on site plans of approximate wetland *edges* will be acceptable); or
 - c) The wetland is on adjacent or nearby property, provided that the depiction of wetland *edges* on the site plans submitted pursuant to this Rule is based on best available mapping or other reliable information and sufficient fixed references are available to allow for onsite confirmation.

4) Field delineation of the edges of rivers, streams, areas subject to storm flowage, areas of land within 50 feet (perimeter wetlands), riverbank wetlands or floodplains is not required.

C. Use of Global Position System (GPS) technology to delineate wetland edges is permissible only if GPS results are at least as accurate as a ground survey. The use of GPS must be so noted on site plans, and the CRMC reserves the right to require a standard ground survey.

7.05 ~~Extension and Modification of Determinations or Permits Already Issued~~ Additional Site Work

~~Applicants should refer to Rules 9.07 (Application for Permit Extension) and 9.09 (Application for Permit Modification) for specific requirements and procedures.~~

A. To facilitate site inspection by the CRMC, the applicant must perform site work to clearly identify and label the following activities and features:

- 1) Property boundaries in or adjacent to wetlands, if few or no fixed reference points are available;
- 2) Wetland edges, in accordance with Rule 7.04 and Appendix 2, flagged for verification or for review of a proposed project;
- 3) Periodic points of reference to the proposed project;
- 4) The boundary of the outermost limit of disturbance (e.g., filling, clearing, soil disturbance);
- 5) Outlines of proposed ponds and detention and retention basins;
- 6) Subdivision lots and numbers;
- 7) Corner locations of proposed structures in or adjacent to wetlands;
- 8) Corner locations of proposed septic systems on proposed lots containing wetlands (staked and labeled);
- 9) Center lines of roadways, pipelines and utility lines, with station numbers indicated; and
- 10) Centerlines of proposed drainage channels.

7.06 ~~Farmers~~ Requirements Regarding use of Professionals

~~Farmers seeking a preliminary determination or a permit to alter freshwater wetlands, area(s) of land within fifty (50') feet, riverbanks, and flood plains, should refer to Rule 9.04 and should contact the DEM Division of Agriculture and Resource Marketing.~~

A. State or other law, including these Rules, may require professionals to prepare site plans, specifications, reports or other documents related to activities subject to these Rules. The applicant, or the respondent in matters concerning enforcement actions, is responsible for engaging or employing any and all such professionals. Such licensed professionals shall affix their stamp, signature and date of signing upon those plans, specifications, documents, or portions thereof, for which they are responsible.

B. When a Registered Professional Engineer is engaged, all engineering work that applies to the project application (e.g., drainage calculations and drainage narrative) must be stamped by the engineer; and the engineer shall be registered in the State of Rhode Island.

C. These Rules require, or provide the CRMC with discretion to require, the use of a Registered

Professional Engineer in the following instances:

- 1) Pursuant to R.I.G.L. Section 2-1-22, site plans submitted for an Application to Alter a Freshwater Wetland must bear the stamp and signature of a Registered Professional Engineer.
- 2) The *flood plain edge* must be established by a Registered Professional Engineer if 100-year *flood plain* data are unavailable from FEMA.
- 3) Where pre-determined 100-year flood elevations are unavailable, the applicant must provide clear and convincing documented evidence prepared by a Registered Professional Engineer that the *project* site is above any probable 100-year flood elevation.
- 4) With regard to an Application to Alter a Freshwater Wetland, the CRMC may require written certification from a Registered Professional Engineer attesting to the completion of all engineered portions of the *project* that are described or referred to in the permit and on the approved site plans.

D. As further described in guidance documents available from the CRMC, applicants are strongly advised to retain the services of qualified professionals with the educational background and experience necessary to perform the following tasks:

- 1) Identification and delineation of *freshwater wetland edges* (Rule 7.04 and Appendix 2); and
- 2) Evaluation of wetland functions, values, and impacts (Rule 10.02 (E)).

E. The Estimated Construction Cost (ECC) for certain types of proposed *projects* or activities must be documented and prepared by an appraiser, general contractor, engineer, land surveyor, architect, landscape architect or another appropriately qualified professional (Rule 7.10).

F. Professionals who have prepared assessments, evaluations, recommendations, or reports on behalf of an applicant or respondent in matters involving enforcement of these *Rules* must document their participation in such matters.

G. For a determination that a proposed *project* involving certain new construction meets or exceeds all wetland *best management practices*, the *project* must be certified by an appropriate licensed professional.

7.07 Application Processing

A. Pre-application and Other Meetings. Any *person* may request a meeting with representatives of the CRMC to discuss regulatory procedures and requirements, to introduce a proposed *project* for an initial response and discussion, to discuss potential *project* design alternatives, and to discuss modifications to *project* designs. The following stipulations will apply:

- 1) If the CRMC has determined the presence of wetlands on or adjacent to the subject property, verified the wetland *edges* on the property, or if the property is the subject of a previous or ongoing wetland *permit* application, a *person* may request a meeting directly with the CRMC. A meeting will be granted at the discretion of the CRMC based upon any statutory limitations.
- 2) If there are no prior wetland determinations or decisions by the CRMC about the subject property, a *person* may request a Pre-application meeting with the CRMC.

B. Coordination with Municipalities.

- 1) Applicants are encouraged to review local zoning, planning and building ordinances that may be relevant to a proposed *project* as part of preparing a *freshwater wetlands* application for the CRMC.

- 2) Coordination with appropriate municipal officials, as to aspects of a proposed *project* that may involve conflicts with requirements under these *Rules*, should be undertaken prior to the submission of an application to the CRMC for review and approval of a proposed *project*.
- 3) The applicant may invite any appropriate municipal officials to pre-application meetings conducted at the CRMC, and the applicant is encouraged to do so for major land development *projects*.

C. Coordination with the DEM's Onsite Wastewater Treatment System (OWTS) Program.

The CRMC reserves the right to require that applications for the same proposed *project* be submitted concurrently to the DEM OWTS Program to enable the CRMC to undertake a joint review.

D. Processing of Applications

- 1) The CRMC will assign a number for identification purposes to each application, and shall notify the applicant of the receipt of the application and the number assigned to it. It is the responsibility of the applicant to refer to the assigned application number in all correspondence and inquiries regarding the subject application.
- 2) The CRMC staff will process *completed applications* generally in the order in which properly completed initial application materials are received by the CRMC, except where potential competing demands of State and CRMC priorities dictate otherwise. The CRMC may process applications out of sequence when those applications are submitted with a Certificate of Critical Economic Concern in accordance with R.I.G.L. Section 42-117, *et seq.* Requests for Emergency Alterations (Rule 11.01) will be processed immediately upon receipt.

E. Review for Completeness.

- 1) After the CRMC receives an application and assigns an application number, it will conduct a completeness review that will focus on administrative and technical reviews to determine whether the application's essential elements, in proper form, have been received and are considered complete. If the CRMC finds that an application is not administratively or technically complete, the applicant will be so informed through a notice of deficiency from the CRMC.
- 2) A Request for a Preliminary Determination or an Application to Alter is complete when in the opinion of the CRMC it provides all of the requisite information necessary to process the application in accordance with Section 2-1-22(a) of the *Act* and these *Rules*. With respect to an Application to Alter, when the CRMC determines that the application is technically complete, it also will issue the required public notice (See Rule 10.03).

F. Written Response.

All CRMC decisions, determinations or authorizations, with the exception of responses to Requests for Emergency Alterations, will be issued in writing only and signed by the CRMC.

G. Any determination, verification or permit received from the CRMC pursuant to any application involving *freshwater wetlands* does not obviate the need for the applicant to obtain any and all other necessary permits, and for the applicant and *project* to comply with all other applicable federal, state and local laws, regulations and ordinances.

7.08 Suspension of Application Process

In any of the following circumstances, the CRMC may at its discretion suspend the processing of an application, provided that it so advises the applicant in writing and where appropriate it conducts an investigation of the matter alleged in any of the following circumstances:

- A. Where the property with respect to which an application has been submitted is alleged to contain unauthorized alterations of freshwater wetlands, discovered either during the review of an application or during investigation of a complaint.
- B. Where the property with respect to which an application has been submitted is the subject of any unresolved violation of the Rules, or which is the subject of any non-compliance with a CRMC, administrative, or judicial consent agreement, order of the Council, or judgment, or where the property subject to unauthorized alterations is not restored to the satisfaction of the CRMC.
- C. Where information provided on the application form or in support of the application is misleading, false, erroneous, inconsistent with these Rules, incomplete or non-responsive to deficiencies identified by the CRMC.

7.09 Recording and Transfer of Permits

- A. Pursuant to R.I.G.L. § 2-1-22 (f), whenever required by the terms and conditions of any permit or revised permit issued by the CRMC, the applicant shall record the permit or revised permit at his or her own expense in the land evidence records of the municipality or municipalities in which the property subject to the permit lies.
- B. Any valid permit issued by the CRMC that has been recorded in the land evidence records of the municipality or municipalities in which the property subject to the permit is located is automatically transferred upon sale of the property to the new owner.
- C. In the event a new property owner desires or needs a current permit reissued in his or her name, an Application for Permit Transfer may be submitted to the CRMC in accordance with Rule 11.04.
- D. Pursuant to R.I.G.L. § 2-1-22(f), the limit of disturbance, the conditions of approval and any other requirements set forth in any recorded permit shall apply to and be enforceable against all subsequent owners of the land subject to the permit, unless a new or modified permit has been obtained from the CRMC.

7.10 General Fee Requirements

- A. The applicant must pay all required fees to the CRMC in full at the time the applicant submits any application or request for hearing.
- B. The fees for proposed projects and activities are set forth in the fee schedule under Rule 7.11.
- C. The fees for certain proposed projects (e.g., reconstruction or new construction of roads, railways, or airport facilities and new utility installation, such as installation of major utility lines, pipes, etc.) shall be based on the Estimated Construction Cost ("ECC") of certain portions of such projects. The ECC must include the costs of construction activities such as materials, labor and equipment. The ECC shall not include the cost of land acquisition and consultant fees for planning, design and construction supervision. The ECC must be determined for all portions of the project that are proposed in or above any freshwater wetlands, and for those portions that are proposed in areas sloping/draining into on-site or adjacent freshwater wetlands.
- D. The ECC for proposed projects must be documented and prepared by an appraiser, general

contractor, engineer, land surveyor, architect, landscape architect or other appropriately qualified professional. Such documentation must be submitted by the applicant with the application. All ECCs shall be subject to review and acceptance by the CRMC. The CRMC may, when deemed necessary, require additional documentation and specific information regarding the ECC.

E. The CRMC will process an application only after receipt of the appropriate fee paid in full.

- 1) Fees not based upon an ECC: If the CRMC determines that a fee not based upon an ECC is incorrect, the CRMC will inform the applicant what additional monies must be submitted.
- 2) Fees based upon an ECC: If the CRMC determines that a fee based upon an ECC is substantially incorrect, the CRMC will so notify the applicant. The applicant must then either submit written documentation supporting its original calculation of the fee or submit additional monies to resolve any deficiency. When, in the opinion of the CRMC, the fee remains substantially incorrect, the CRMC will consider the application withdrawn, and will so notify the applicant.

F. Unless specified in the Fee Schedule, fees submitted to the CRMC are not refundable once the technical review of the application has commenced; however, for the original applicant only, the CRMC will apply fifty percent (50%) of the fee submitted for a Request for Preliminary Determination to the cost of a new application for the *project*, if:

- 1) A determination of *significant alteration* is issued and the original applicant subsequently files an Application to Alter Freshwater Wetlands for the proposed *project* within six (6) months of the date the preliminary determination was issued; or
- 2) A determination of a *significant alteration* is issued with recommendations to prevent such an *alteration*, and the original applicant files a second Request for Preliminary Determination that incorporates the recommendations, within six (6) months of the date of issue of the original Preliminary Determination.

G. All fees must be paid by check or money order made payable to the Rhode Island General Treasurer.

H. No application fees pursuant to these *Rules* are required for *projects* where the *CRMC* is the applicant

7.11 Fee Schedule

A. Request to Determine the Presence of Wetlands (Rule 8.02) where the total property area is:

- 1) Less than four (4) acres = \$150.00.
- 2) Four (4) acres up to twenty (20) acres = \$250.00.
- 3) Greater than twenty (20) acres up to forty (40) acres = \$300.00.
- 4) Greater than forty (40) acres = \$400.00.

B. Request to Verify Wetland Edge (Rule 8.03) where the wetland *edges* to be verified are:

- 1) Less than 500 feet in length. = \$300.00.
- 2) From 500 to 999 feet in length = \$600.00.
- 3) For edges 1000 feet or more, the fee shall be \$900.00 plus \$300.00 for every additional 500 feet of edge (examples: 1100 feet = \$900.00 and 1500 feet = \$1200.00)

C. Request for Regulatory Applicability (Rule 8.04) - \$150.00

D. Request for Preliminary Determination (Rule 9.00) and Application to Alter a Freshwater Wetland (Rule 10.00)

Project Type	Preliminary Determination	Application to Alter
1) <u>Projects associated with developed individual residential lots, e.g., additions, garages, decks, sheds, pools, tennis courts, walls, landscaping; OWTS, new wells, new utility lines, etc.</u>	<u>\$150.00</u>	<u>\$300.00</u>
2) <u>Construction of new individual residential lots, e.g., new single family dwellings and duplexes, and all associated utilities, ISDS, wells, garages, driveways, landscaping, sheds, pools, etc.</u>	<u>\$450.00</u>	<u>\$900.00</u>
3) <u>Limited projects associated with developed apartments, condominiums, offices, schools, churches and commercial/individual lots, e.g., additions, garages, decks, sheds, pools, tennis courts, walls, landscaping; ISDS, new wells, new utility lines, parking areas.</u>	<u>\$300.00</u>	<u>\$600.00</u>
<p>4) <u>Construction of new apartments, condominiums, offices, schools, churches, commercial/industrial projects, including all associated site amenities, utilities and infrastructure, where all proposed work is confined to existing developed areas (buildings, parking areas, pavement, lawn) and where the 'total project area'* is:</u></p> <p>a) <u>less than 1 acre;</u> b) <u>1 acre to 4 acres;</u> c) <u>greater than 4 acres to 20 acres; and</u> d) <u>greater than 20 acres.</u></p> <p><u>For proposed projects within urban core coastal communities and for properly certified Growth Center projects (when a copy of the certification is submitted with the wetland application and fee):</u></p> <p><u>* The 'total project area' is that land area enclosed within the Limit of Disturbance as described in Rule 7.03 L (3).</u></p>	<u>\$450.00</u> <u>\$900.00</u> <u>\$1800.00</u> <u>\$3600.00</u>	<u>\$900.00</u> <u>\$1800.00</u> <u>\$3600.00</u> <u>\$4500.00</u>
<p>5) <u>Construction of new apartments, condominiums, offices, schools, churches, commercial/industrial lots including all associated site amenities, utilities and infrastructure, on undeveloped property or where work is not confined to existing developed areas and where the 'total project area' is:</u></p> <p>a) <u>less than 1 acre;</u> b) <u>1 acre to 4 acres;</u> c) <u>greater than 4 acres to 20 acres; and</u> d) <u>greater than 20 acres.</u></p> <p><u>* The 'total project area' is that land area enclosed within the Limit of Disturbance as described in Rule 7.03 L (3).</u></p>	<u>\$750.00</u> <u>\$1500.00</u> <u>\$3000.00</u> <u>\$6000.00</u>	<u>\$1500.00</u> <u>\$3000.00</u> <u>\$6000.00</u> <u>\$7500.00</u>

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<p>6) <u>New subdivisions and multiple lot <i>projects</i> (including residential, commercial, and industrial development) with all associated infrastructure:</u> <u>2 lots</u> <u>3 lots</u> <u>4 or 5 lots</u> <u>each additional lot*</u> <u>*The maximum total fee for any new subdivision is</u></p>	<p><u>\$900.00</u> <u>\$1200.00</u> <u>\$1500.00</u> <u>\$175.00</u> <u>\$6500.00</u></p>	<p><u>\$1800.00</u> <u>\$2700.00</u> <u>\$3000.00</u> <u>\$250.00</u> <u>\$10,500.00</u></p>
<p>7) <u>Miscellaneous separate <i>projects</i>:</u></p>		
<p>a) (1) <u>Individual docks, floats;</u> (2) <u>Wildlife habitat project or water quality improvement project;</u> (3) <u>Dry hydrants,</u> (4) <u>Wetland restoration project</u></p>	<p><u>\$100.00</u></p>	<p><u>\$300.00</u></p>

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<p>b) <u>(1) Land redevelopment/reuse projects limited to Conversion of sand and gravel banks, mill sites, abandoned commercial/industrial property to public recreation facilities;</u> <u>(2) Rehabilitation of existing parks or recreational areas of any size or new parks less than or equal to 4 acres;</u> <u>(3) Multiple docks, floats, or individual boat launches;</u> <u>(4) Pedestrian trails, paths, foot bridges;</u> <u>(5) Irrigation projects, sub-drains;</u> <u>(6) Low hazard dam repairs; and</u> <u>(7) Dam removal projects.</u></p>	<p align="center"><u>\$300.00</u></p>	<p align="center"><u>\$750.00</u></p>
<p>c) <u>(1) Wells other than for single family house lots;</u> <u>(2) New pond construction;</u> <u>(3) New or replacement drainage structures/facilities, e.g., culverts and detention basins; and</u> <u>(4) Aquatic plant control projects. If done pursuant to a lake management plan in accordance with guidance prepared by the CRMC, the fee will be reduced by 50%.</u></p>	<p align="center"><u>\$600.00</u></p>	<p align="center"><u>\$1500.00</u></p>
<p>d) <u>(1) Construction of all new dams;</u> <u>(2) Substantial alteration of a dam (high, significant, or low hazard).</u></p>	<p align="center"><u>\$600.00</u></p>	<p align="center"><u>\$2000.00 plus \$200.00/ acre impoundment</u></p>
<p>e) <u>(1) New parks or recreational areas where the total project area is greater than 4 acres;</u> <u>(2) Land clearing and/or grading operations;</u> <u>(3) Industrial processing/cooling, hydroelectric projects; and</u> <u>(4) Bike paths.</u></p>	<p align="center"><u>\$1200.00</u></p>	<p align="center"><u>\$4000.00</u></p>
<p>f) <u>(1) Surface mining, e.g. gravel quarry; and</u> <u>(2) New golf courses;</u></p>	<p align="center"><u>\$6500.00</u></p>	<p align="center"><u>\$10,500.00</u></p>
<p>g) <u>River/stream relocation and/or channelization:</u> <u>(1) River/stream length to be altered</u> <u>(2) Area subject to storm flowage to be altered</u></p>	<p align="center"><u>\$1 0.00/linear ft</u> <u>\$6.00/linear ft</u> <u>to maximum of</u> <u>\$20,000.00</u></p>	<p align="center"><u>\$50.00/ linear ft</u> <u>\$25.00/ linear ft</u> <u>to maximum of</u> <u>\$20,000.00</u></p>
<p>h) <u>Other new construction, reconstruction, demolition, or modification projects not otherwise listed above;</u></p>	<p align="center"><u>\$1200.00</u></p>	<p align="center"><u>\$4000.00</u></p>
<p>8) <u>Fees based on Estimated Construction Costs (ECC) including all associated drainage systems/facilities, bridges and utilities (See Rule 8.06 for how ECC is computed).</u> <u>(a) Reconstruction of existing or approved roads, railways, or airport facilities:</u></p>		
<p><u>(i) Less than or equal to \$200,000.00</u></p>	<p align="center"><u>\$1000.00</u></p>	<p align="center"><u>\$2000.00</u></p>
<p><u>a. Greater than \$200,000.00 but less than \$500,000.00</u></p>	<p align="center"><u>\$2000.00</u></p>	<p align="center"><u>\$3000.00</u></p>
<p><u>b. Greater than \$500,000.00 but less than \$1,000,000.00</u></p>	<p align="center"><u>\$3000.00</u></p>	<p align="center"><u>\$4000.00</u></p>

<u>c. Greater than \$1,000,000.00</u>	<u>\$6000.00</u>	<u>\$8000.00</u>
<u>(b) New road, railway, or airport facility construction:</u>		
<u>(i) Less than or equal to \$200,000.00</u>	<u>\$2000.00</u>	<u>\$4000.00</u>
<u>(ii) Greater than \$200,000.00 but less than \$500,000.00</u>	<u>\$4000.00</u>	<u>\$7000.00</u>
<u>(iii) Greater than \$500,000.00 but less than \$1,000,000.00</u>	<u>\$6000.00</u>	<u>\$10,000.00</u>
<u>(iv) Greater than \$1,000,000.00</u>	<u>\$8000.00</u>	<u>\$20,000.00</u>
<u>(c) New utility installation not exempt under Rule 6.10</u>		
<u>(i) Less than or equal to \$200,000.00</u>	<u>\$800.00</u>	<u>\$2,000.00</u>
<u>(ii) Greater than \$200,000.00 but less than \$500,000.00</u>	<u>\$1,500.00</u>	<u>\$3000.00</u>
<u>(iii) Greater than \$500,000.00 but less than \$1,000,000.00</u>	<u>\$2,000.00</u>	<u>\$4,000.00</u>
<u>(iv) Greater than \$1,000,000.00</u>	<u>\$4,000.00</u>	<u>\$6,000.00</u>

E. Application for Permit Modification (Rule 11.03) = \$150.00

F. Application for Permit Renewal (Rule 11.02) = \$200.00

G. Application for Permit Transfer (Rule 11.04) = \$50.00

H. All Other Fees: See Fee Schedule in Section 4.2 of the CRMC Management Procedures.

I. Change in Owner During Application Processing = \$50.00

7.12 Rhode Island Stormwater Design and Installation Standards Manual (Stormwater Manual)

A. Requirements pertaining to use of the 2010 Manual as amended

(1) The 1993 Rhode Island Stormwater Design and Installations Standards Manual (“Stormwater Manual”) will be superseded by the 2010 Stormwater Manual upon effective date of the CRMC. Unless otherwise provided in this section, the requirements of the 2010 Stormwater Manual, as amended, shall apply to all Requests for Preliminary Determination or Application to Alter Freshwater Wetlands submitted on or after January 1, 2011. The 2010 Stormwater Manual, as amended, may be used in lieu of the 1993 Stormwater Manual beginning on or after the effective date of adoption by the CRMC.

(2) Applicants for projects which have a currently valid and vested Master Plan approval from the local planning board or commission before March 31, 2011 (“Master Plan approval”) may elect to comply with the 1993 Stormwater Manual instead of the 2010 Stormwater Manual provided that a complete application for the project is submitted to the CRMC on or before June 30, 2011. Any project applicant that received Master Plan approval who submits a Request for Preliminary Determination or Application to Alter Freshwater Wetlands to the CRMC after June 30, 2011 shall comply with the 2010 Stormwater Manual, including any future phases of a phased project having received Master Plan approval as of March 31, 2011. Applicants shall, at the time of application, submit a copy of the Master Plan approval document(s) demonstrating

eligibility under this subsection. This subsection applies only to *projects* which require Master Plan approval pursuant to R.I.G.L. § 45-23-40.

- (3) The CRMC Assent for *projects* that include a subsurface discharge of stormwater, excluding single-family residential projects, subject to requirements of the 2010 Stormwater Manual, as amended, will be forwarded to DEM for registration and tracking upon issuance of a *project* approval under these *Rules*.

Rule 8.00 - General Requirements For All Applications Request for Determination of the Presence of Wetlands, Wetland Edge Verification, or Request for Regulatory Applicability

8.01 General Information for Applicants Purpose

- ~~A. Forms for making any application as set forth in these Rules are available at the CRMC, or for agricultural activities under Rule 9.04 herein, at the DEM Division of Agriculture and Resource Marketing.~~
- ~~B. All applications involving freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, must be submitted directly to the CRMC for processing, except that any applications involving farming activities specifically referred to in Section 2-1-22(i)(2) of the Act must be submitted directly to the DEM Division of Agriculture and Resource Marketing.~~
- ~~C. Each applicant shall be required to submit a complete application package including an original application form and any additional supporting information required by the CRMC. Both the form and supporting information must be complete at the time of submission and must be accompanied by full payment of the application fee. (See Rules 8.03 and 8.04).~~
- ~~D. Site plans and any specifications incorporated within the application package must be designed and prepared in accordance with these Rules.~~
- ~~E. It is the responsibility of the applicant to inform the CRMC of the name and address of the applicant's attorney, agent or other representative she or he wishes to receive a copy of the CRMC's decision regarding the application.~~
- ~~F. Any determination, verification, or permit received from the CRMC pursuant to any application involving freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, does not preclude the need for the applicant to obtain any other necessary permits, and for the applicant and project to comply with other applicable federal, state and local laws, regulations and ordinances.~~
- ~~G. Any applicant or subsequent transferee receiving any permit relating to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, shall comply with all conditions of the permit. Any non-compliance constitutes a violation of the permit and/or these Rules, and is grounds for enforcement action.~~
- ~~H. In cases where a proposed project is subject to the CRMC's jurisdiction due to the nature of the activity, its proximity to any coastal feature or its location within the boundaries of the Narrow River or Salt Ponds watersheds (as defined in the Narrow River and Salt Ponds Special Area Management Plans (SAMP)), and freshwater wetlands in the vicinity of the coast, area(s) of land within fifty (50) feet, riverbanks, and flood plains, are present within the project area, the CRMC shall review the project as one activity and require a single application. Applicants shall submit an application which addresses the requirements contained herein as well as any additional application requirements provided for in the Rhode Island Coastal Resources Management Program, and/or the Salt Ponds or Narrow River SAMP.~~

An application may be made to the CRMC to request a determination regarding:

- A. The presence of wetlands on the property which are regulated under the *Act* (Rule 8.02).

B. The verification of the delineated *edge* of wetlands on the property (Rule 8.03); or

C. Whether the *Rules* apply to a proposed *project*, or not, or confirmation that a *project* is exempt according to Rule 6.00 (Rule 8.04).

8.02 ~~Signatories to Applications~~ Request to Determine Presence of Wetlands

- ~~A. All applications must be signed by the applicant and the applicant's name must be clearly printed near the signature.~~
- ~~B. In cases where the property is owned or controlled by a corporation, company, partnership, city, town, municipal, state, or federal agency, fire district, association, club, non-profit agency or estate, the application shall be signed, accompanied by the titles of all signatories as follows:~~
- ~~1) For a corporation, company, fire district, association, club, non-profit agency: by an officer with legal authority to bind the appropriate entity;~~
 - ~~2) For a partnership: by a general partner;~~
 - ~~3) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a municipality or other governmental agency includes:
(a) The chief executive officer of the agency, or—
(b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency;~~
 - ~~4) For an estate: by the executor/executrix of the estate.~~
- ~~C. Written, notarized authorization must be obtained from those property owners, other than the applicant, who own property containing freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and floodplains that will be directly altered as a result of a proposed project. Such alterations include all those alterations as defined under the term *alter the character* in Rule 5.00.~~
- ~~D. If the applicant is a government agency or entity with the power of condemnation, the government agency or entity must demonstrate that it has the requisite condemnation authority, or demonstrate that the proposed project area(s) lies within an easement that it maintains. In such cases, written, notarized authorization from each property owner who owns property containing freshwater wetlands that will be altered as a result of a proposed project may not be required.~~
- A. An applicant seeking a Request to Determine the Presence of Wetlands must submit the following documents and adhere to the following requirements:
- 1) A completed application form (Rules 7.01 and 7.02);
 - 2) The appropriate fee (Rule 7.11 (A)); and
 - 3) A site plan of the subject property (Rule 7.03), while desirable, is not required. At a minimum, a tax assessor's map that includes a title block and locus map drawn to a scale no smaller than 1" = 100' with sufficient fixed reference points is required. The tax assessor's map must be legible and clearly depict property boundaries. The site plan or tax assessor's map must not depict any proposed *project* or activities.
 - 4) If property boundaries are not clearly identifiable on the property itself, the applicant must clearly identify those boundaries with labeled markers such as flags or stakes.
- B. The CRMC will inspect the property and issue a determination stating whether or not regulated wetlands are present. The purpose of this determination is to determine whether wetlands are present on the property and the type of such wetlands, not to verify the specific location of any such wetlands.

- C. Any determination regarding the presence of wetlands issued by the CRMC in accordance with this Rule shall be valid for a period of three (3) years from the date of issue.

8.03 General Fee Requirements Request to Verify Wetland Edge

- A. All applicants must pay all required fees to the CRMC in full at the time the applicant submits any application or request for hearing.
- B. The fees for proposed projects and activities are set forth in the fee schedule. (See Rule 8.04).
- C. The fees for certain individually proposed projects (i.e., reconstruction or new construction of roads or railways and new utility installation, such as installation of major utility lines, pipes, etc.) shall be based on the Estimated Construction Cost ("ECC") of certain portions of such projects. The ECC must include the costs of construction activities such as materials, labor and equipment. The ECC shall not include the cost of land acquisition and consultant fees for planning, design and construction supervision. The ECC must be determined for all portions of the project or activity that are proposed in or above any freshwater wetlands, and those portions that are proposed in areas sloping/draining into on-site or adjacent freshwater wetlands.
- D. Determination of the ECC shall be based, where applicable, on the ECC accepted by the building official subject to acceptance by the CRMC. The ECC shall include all costs associated with site preparation (e.g. earthwork, landscaping, etc.), sewage treatment and disposal (e.g. cost of ISDS, sewer extension, sewer tie-in, etc.), and construction costs (e.g. materials, labor, installation of all items necessary to obtain a certification of occupancy, etc.). For projects where the determination is not available, the ECC shall be provided by the applicant subject to its acceptance by CRMC after review of the application. For an individual homeowner project (IHP), this can be estimated based on the best available information concerning the construction costs. Applicants for all other types of projects shall provide documentation showing the basis on which the ECC was determined. Where additional specificity in the documentation is deemed necessary by CRMC staff, a written estimate by a qualified appraiser, engineer, architect or other appropriate qualified professional will be supplied by the applicant.
- E. The CRMC will process an application only after receipt of the appropriate fee paid in full.
1. Fees not based upon an ECC: If the CRMC determines that a fee not based upon an ECC is incorrect, the CRMC will inform the applicant what additional monies must be submitted. The applicant must submit any additional monies within ten (10) days of the date of the CRMC's notification.
 2. Fees based upon an ECC: If the CRMC determines that a fee based upon an ECC is substantially incorrect, the CRMC will so notify the applicant. Within ten (10) days of the date of the CRMC's notification, the applicant must either submit written documentation supporting and explaining the original fee, or submit additional monies to resolve any deficiency. When, in the opinion of the CRMC, the fee remains substantially incorrect, the CRMC will consider the application withdrawn, and will so notify the applicant.
- F. Unless specified in the Fee Schedule (see Rule 8.04), fees submitted to the CRMC are not refundable; however, the CRMC will, for the original applicant only, apply fifty percent (50%) of the fee submitted for a Request for Preliminary Determination when:
1. A determination of significant alteration was issued and the original applicant files an Application to Alter for the proposed project within one (1) year of the date the preliminary determination was issued; or
 2. A determination of a significant alteration was issued with recommendations to prevent such an alteration and the original applicant files a new (second) Request for Preliminary Determination where the applicant has modified the project to prevent a significant alteration. This application must be received within one (1) year of the date of issue of the original preliminary determination.

- ~~G. All fees must be paid by check or money order made payable to the Coastal Resources Management Council.~~
- ~~H. When, due to its location, a proposed activity is subject to these Rules and associated fee schedule, and any other regulations implemented by the CRMC that require an application fee, a single application fee shall be assessed. The application fee shall be the higher of the two fees prescribed in these Rules and in Section 4.3 of the CRMC Management Procedures.~~
- ~~I. The fee schedule described herein may be waived for any public or quasi public entity based on a finding by the Director of general public benefit.~~
- ~~J. Where an applicant can demonstrate that the fee schedule described herein presents an undue hardship, the CRMC may adjust the application fee.~~

- A. An applicant seeking a Request to Verify Wetland Edge must submit the following documents and adhere to the following requirements:
- 1) A completed application form (Rules 7.01 and 7.02);
 - 2) The appropriate fee (Rule 7.11 (B));
 - 3) A site plan of the subject property (Rules 7.03 and 7.04) prepared by a qualified professional (Rule 7.06), that identifies the wetlands and their *edges* that the applicant requests the CRMC to verify; and
 - 4) Completed wetland *edge* documentation forms (Rule 8.03 (E)(3)).
- B. Site plans submitted for Request to Verify Wetland Edges must not depict any proposed *project* or activities.
- C. The *edge(s)* of all *freshwater wetlands* should be identified by a qualified professional as specified in guidance documents available from the CRMC and shall be delineated in accordance with the specifications set forth in Appendix 2.
- D. Any delineation or identification of *freshwater wetlands* completed by a *person* other than the CRMC, including by an applicant or applicant's agent, shall be valid only after review and written verification by the CRMC (See the procedures outlined in Appendix 2).
- E. For verification purposes, the applicant must undertake the following steps:
- 1) Identify each wetland *edge* that the applicant wishes to have verified on the property, and record the edge on a site plan.
 - (a) The wetland *edge* on the property shall be flagged with sequentially numbered or lettered flags, and the flags must be placed at the wetland *edge* in sufficient numbers to clearly identify the *edge* to be verified. The distance between flags must allow for adequate visibility from one flag to another during the growing season.
 - (b) The wetland *edge* shall be surveyed and recorded on the site plans showing the location and number/letter of the flag corresponding with those flags at the site.
 - (c) In addition to the surveyed wetland *edge*, periodic measurements (*i.e.*, at least one (1) for every one hundred feet (100') of surveyed *edge*) must be recorded on the site plan, indicating the distance from the surveyed *edge* to fixed reference points on the property. Fixed reference points on the property shall include, but are not limited to: stone walls, watercourses, roads, trails, buildings, structures, fences, cut transects or traverse lines.

survey stakes with stations, or other features that allow confirmation of the location of the flagged wetland *edge* by field measurements.

2) Identify the professional(s) conducting the delineation.

3) Provide documentation on forms provided by the *Department* describing the reasoning used to delineate a particular wetland *edge* or any series of *edges*.

F. Contour elevations, while helpful on site plans, are not required for Requests to Verify Wetland Edges, except where (i) a request to verify the *edge* of the 100-year *flood plain* has been made; or (ii) the wetland *edge* is located along or within a parcel exceeding ten (10) acres.

G. The CRMC will inspect the wetland *edge(s)* delineated by the applicant and, if in substantial agreement with the documentation provided by the applicant, confirm the presence of identified wetlands and the location of their delineated *edges*.

H. Any verification of a wetland *edge* or series of edges issued by the CRMC shall be valid for a period of three (3) years from the date of issue.

I. A Request to Verify Wetlands Edges file shall be considered closed if the applicant fails to answer any notification of application deficiency or any request for additional information from the CRMC within a period of six (6) months from the date of the deficiency letter or request.

8.04 ~~Fee Schedule~~ Request for Regulatory Applicability

~~A. **Request to Determine the Presence of Wetlands** (to determine presence of wetlands only) (See Rule 9.02) For this request, "area" means total property acreage of a single lot or multiple lots which border each other:~~

~~1) Area of less than five (5) acres = \$150.00.~~

~~2) Area of five (5) acres up to twenty (20) acres = \$200.00.~~

~~3) Area greater than twenty (20) acres up to forty (40) acres = \$250.00.~~

~~4) Area greater than forty (40) acres = \$250.00 plus \$50.00 for every additional twenty (20) acres or less.~~

~~B. **Request to Determine the Presence of Wetlands and Verify Location of Wetland Edge** (See Rule 9.02) For this request, "area" means total property acreage of a single lot or multiple lots which border each other:~~

~~1) Area of less than five (5) acres = \$300.00.~~

~~2) Area of five (5) acres or greater, and/or linear easements or roads through or along multiple lots = \$300.00, plus \$0.20 for each linear foot of wetland edge to verify.~~

~~C. **Application for Permit Renewal** (See Rule 9.07) = \$200.00.~~

~~D. not applicable~~

~~E. **Request for Preliminary Determination and Application to Alter**~~

~~1) **Developed residential lots:** Projects associated with individual residential lots already developed (e.g., proposed additions, garages, decks, sheds, pools, tennis courts, walls, landscaping activities, alteration or repair of ISDSs, new wells, new utility lines, etc.):~~

~~(a) Prelim. Det. = \$150.00.~~

~~(b) App. to Alt. = \$300.00.~~

- 2) ~~**New residential lots:** New development of individual residential lots (e.g., new construction of single family dwellings and duplexes, including all associated utilities, new ISDSs, garages, sheds, pools, driveways, tennis courts, landscaping activities, wells, etc.):~~
- ~~(a) Prelim. Det. = \$300.00, plus \$0.04 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- ~~(b) App. to Alt. = \$600.00, plus \$0.08 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- 3) ~~**Developed apartments, condominiums, offices, schools, churches and commercial/industrial lots:** Projects associated with apartments, condominiums, office complexes, schools, churches or commercial or industrial sites already developed (e.g., proposed additions, garages, decks, sheds, pools, tennis courts, walls, landscaping activities, parking areas, new wells, new utility lines, repair or alteration of ISDS, etc.):~~
- ~~(a) Prelim. Det. = \$300.00.~~
- ~~(b) App. to Alt. = \$600.00.~~
- 4) ~~**New apartments, condominiums, offices, schools, churches, commercial, industrial lots :** New development, including all associated site amenities, utilities and infrastructure:~~
- ~~(a) Prelim. Det. = \$600.00, plus \$0.04 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- ~~(b) App. to Alt. = \$1,000.00, plus \$0.08 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- 5) ~~**New subdivisions, multiple lots:** New development (e.g., residential, commercial, industrial, etc.), including all associated utilities and infrastructure = total of (a) and (b) below:~~

(a)

# of Lots	Preliminary Determination	App. to Alt.
up to 5	\$800.00	\$2000.00
6-15	\$1800.00	\$3000.00
16-25	\$2600.00	\$3500.00
26-35	\$3000.00	\$4000.00
36-45	\$3400.00	\$4500.00
46-55	\$3800.00	\$5500.00
56+	\$4200.00	\$7500.00

- ~~(b) Plus, \$0.04 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, for Preliminary Determinations; \$0.08 per square foot of site alterations in freshwater wetlands for applications to Alter.~~

6) ~~**Miscellaneous separate proposed projects:**~~

- ~~(a) Driveways and/or gravel access roads not exempt under Rule 6.00 up to one (1) lane in width:~~

- (i) Prelim. Det. = \$450.00 plus \$0.50 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- (ii) App. to Alt. = \$850.00 plus \$1.00 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- ~~(b) Surface mining (e.g., gravel, quarry), park or recreational area development, golf course construction, land clearing and/or grading operations:~~
- (i) Prelim. Det. = \$900.00, plus \$0.04 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- (ii) App. to Alt. = \$3,000.00, plus \$0.08 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- ~~(c) Water diversion projects (e.g., irrigation, hydroelectric, industrial processing/cooling, subdrains, wells (other than individual wells for single family house lots), dry hydrants):~~

	Prelim Det.	App. to Alt.
Irrigation, Subdrains	\$300.00	\$1000.00
Indus. Proc., Hydro.	\$1200.00	\$4000.00
Wells	\$600.00	\$1200.00
Dry hydrants	\$150.00	\$500.00

- ~~(d) River/stream relocation and/or channelization (includes areas subject to storm flowage (ASSF)) Note: linear foot is based upon length of river/stream/ASSF altered:~~

	Prelim. Det.	App. to Alt.
River, stream	\$10.00/ linear foot	\$50.00/ linear foot
ASSF	\$6.00/ linear foot	\$25.00/ linear foot

- ~~(e) New or replacement drainage structures/facilities (e.g., storm drainage, culverts, detention basins):~~
 - (i) Prelim. Det. = \$600.00.
 - (ii) App. to Alt. = \$2,000.00.
- ~~(f) New dam construction~~
 - (i) Prelim. Det. = \$600.00.
 - (ii) App. to Alt. = \$2,000.00 plus \$200.00 per acre of impoundment.
- ~~(g) New pond construction~~
 - (i) Prelim. Det. = \$400.00 plus \$100.00 per acre of site alteration.
 - (ii) App. to Alt. = \$800.00 plus \$200.00 per acre of site alteration.
- ~~(h) Pedestrian/bicycle trails, paths, foot bridges~~
 - (i) Prelim. Det. = \$150.00 plus \$0.30 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
 - (ii) App. to Alt. = \$500.00 plus \$0.50 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- ~~(i) Individual docks, floats~~
 - (i) Prelim. Det. = \$100.00.
 - (ii) App. to Alt. = \$300.00.
- ~~(j) Multiple docks, floats (e.g., marinas), or individual boat launches~~
 - (i) Prelim. Det. = \$300.00.
 - (ii) App. to Alt. = \$800.00.

(k) *Miscellaneous new construction; reconstruction; demolition; or modification projects other than those above*

- (i) Prelim. Det. = \$450.00 plus \$0.04 per square foot of site alterations in freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; or if linear project, \$0.40 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.
- (ii) App. to Alt. = \$850.00 plus \$0.08 per square foot of site alterations within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; or if linear project, \$0.80 per linear foot within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.

Fees based on ECC (see Rule 8.03 for explanation of how ECC is computed):

(l) *Reconstruction of existing or approved roads or railways, including all associated drainage systems/facilities, bridges and utilities:*

Prelim. Det. = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$1,000.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$2,000.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$3,000.00.
- (iv) Greater than \$1,000,000.00 = \$6,000.00.

App. to Alter = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$2,000.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$3,000.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$4,000.00.
- (iv) Greater than \$1,000,000.00 = \$8,000.00.

(m) *New road or railway construction, including: all associated drainage systems/facilities, bridges and utilities:*

Prelim. Det. = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$2,000.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$4,000.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$6,000.00.
- (iv) Greater than \$1,000,000.00 = \$8,000.00.

App. to Alter = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$4,000.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$7,000.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$10,000.00.
- (iv) Greater than \$1,000,000.00 = \$20,000.00.

(n) *New utility installation not exempt under Rule 6.10 (i.e., individual major utility projects)*

Prelim. Det. = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$800.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$1,500.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$2,000.00.
- (iv) Greater than \$1,000,000.00 = \$4,000.00.

App. to Alter = Proposed projects with an ECC that is:

- (i) Less than or equal to \$200,000.00 = \$2,000.00.
- (ii) Greater than \$200,000.00 but less than \$500,000.00 = \$3,000.00.
- (iii) Greater than \$500,000.00 but less than \$1,000,000.00 = \$4,000.00.
- (iv) Greater than \$1,000,000.00 = \$6,000.00.

F. Application for Permit Modification (See Rule 9.09)

App. for Permit Modification

<u>Project Type</u>	<u>Preliminary Det.</u>	<u>App. to Alter</u>
Indiv. resid. lot	\$100.00	\$200.00
Apartment, condo., office	\$200.00	\$400.00
Indiv. comm./indust. lot	\$200.00	\$400.00
Subdivision, mult. lot	\$200.00	\$400.00
Driveways, access road	\$200.00	\$400.00
Road, rail, utilities	\$300.00	\$600.00
Surface mining, etc.	\$200.00	\$400.00
Water diversion	\$200.00	\$400.00
Dry Hydrants	\$ 50.00	\$100.00
Stream relie.	\$200.00	\$400.00
Drainage	\$200.00	\$400.00
Dams, ponds	\$200.00	\$400.00
Trails, paths	\$ 50.00	\$100.00
Docks	\$ 50.00	\$100.00
Misc. projects	\$200.00	\$400.00

G. ~~Not applicable.~~

H. ~~Application Hearings:~~

- 1) ~~Public Hearings = \$2,500.00.~~
- 2) ~~not applicable~~
- 3) ~~not applicable~~

I. ~~not applicable~~

A. An applicant seeking a Request for Regulatory Applicability should submit the following documents and adhere to the following requirements:

- 1) A completed application form (Rules 7.01 and 7.02);
- 2) The appropriate fee (Rule 7.11 (C));
- 3) A plan drawn to scale, illustrating and describing current and proposed conditions based on measured distances, and including a clearly depicted limit of clearing and disturbance, a locus map, and the location of any wetlands or wetland edges of concern;
- 4) A written project description including the purpose, size, and location of the project;
- 5) A written description of how potential wetland impacts have been avoided to the maximum extent possible; and
- 6) Photographs depicting the current site conditions in the area of the proposed work.
- 7) While not required, a verified wetland edge may facilitate the applicability decision.

B. The CRMC will review information provided by the applicant, and determine whether the proposed project is exempt or otherwise will not alter the character of any wetland, or whether further application is required in accordance with these Rules. If the proposed project appears to involve an alteration to freshwater wetlands or if the application is not clear or is missing information, further application will be required.

8.05 ~~Application Processing~~

- ~~A. The CRMC shall assign an application number to each complete application for identification purposes and shall notify the applicant of the receipt of the complete application and the number assigned. It shall be the responsibility of the applicant to utilize the assigned application number in all correspondence and inquiries regarding the subject application.~~
- ~~B. No application will be processed unless the entire application package, including any and all forms and other information required for submission, is complete.~~
- ~~C. All complete applications will be processed as closely as practicable in the order received. The Director may process applications out of sequence when those applications are submitted with a Certificate of Critical Economic Concern (see Rhode Island General Laws Section 42-117 et seq.); the primary purpose of the propose project is to restore or enhance a degraded freshwater wetland, or at his or her discretion. Requests for Emergency Alterations (see Rule 9.01) will be processed immediately upon receipt.~~
- ~~D. The CRMC may not, at the discretion of the Director, process an application for any property which the CRMC alleges contains unauthorized alterations of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains,, discovered either during the review of an application or during investigation of a complaint.~~
- ~~E. The CRMC may not, at the discretion of the Director, process an application for property which is the subject of any unresolved violation as cited by the CRMC or DEM or which is the subject of any non-compliance with a CRMC, DEM, administrative, or judicial Consent Agreement, Order, or Judgment, or where the property subject to unauthorized alterations is not restored to the satisfaction of the CRMC or DEM.~~
- ~~F. The Director may suspend the processing of any application if, in the opinion of the Director, information provided on the application form or in support of the application is misleading, false, or erroneous, or is inconsistent with these Rules. In such a case, the Department will not process the application and will so advise the applicant.~~
- ~~G. The Director may suspend the processing of any application where a change of ownership occurs during processing and the new owner does not comply with Rule 8.06 within sixty (60) days of the transfer of the subject property or within ten (10) days following notification by the CRMC. In this case, a new application would be required.~~
- ~~H. Any and all responses or answers to any application submitted to the CRMC will be made in writing, signed by the Director. No verbal permits or verbal authorizations of any application relating to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, shall be issued, recognized or accepted by the CRMC.~~

~~8.06 Change in Owner During Application Processing~~

~~Any change in owner during the processing of any application will require the following:~~

- ~~A. The submission of a new application form which updates the owner with appropriate signatures;
and~~
- ~~B. A certified copy of the deed of transfer of the property for Applications to Alter only.~~
- ~~C. not applicable~~

~~8.07 Meetings~~

- ~~A. An applicant may request a meeting with representatives from the CRMC to discuss regulatory procedures, modifications to project designs, or to introduce a proposed project to the CRMC for initial response and discussion.~~
- ~~B. An applicant may request a meeting with representatives from the CRMC to discuss potential project design alternatives and potential areas of concern; provided that the applicant has, at a~~

minimum, obtained a verification of the wetland edge, or a determination of the presence of wetlands on or adjacent to the subject property.

C. All requests for meetings may be granted at the discretion of the CRMC based upon need, availability of staff, and any statutory limitations.

Rule 9.00 - Application Types – Specific Requirements and Conditions **Request for Preliminary Determination**

9.01 Request for Emergency Alterations **Purpose and Outcomes**

A letter of authorization for an emergency alteration, other than those alterations specified in Rule 6.07, may be granted by the Director consistent with the following requirements:

A. Verbal or written request for permission to proceed with an emergency alteration must be made by an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety;

B. The request must inform the CRMC of at least the following:

1) An explanation of the problem necessitating an emergency alteration;

2) The reason why the problem represents an imminent threat to the public's health and safety;

3) The location of the area in which corrective activity is required;

4) The proposed actions necessary to correct the problems;

5) The person responsible for overseeing the activity including means of contact; and

6) The means proposed to restore the wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, area following the emergency alteration, as appropriate;

C. Any emergency alteration undertaken shall not result in a permanent alteration of any wetland. The applicant must, in so far as possible, restore the wetland area to prevent or minimize any permanent alteration. Such restoration must be undertaken in accordance with requirements provided by the CRMC;

D. Alteration of wetlands shall not exceed work beyond that necessary to abate the emergency;

E. Unless otherwise informed by the Director following CRMC inspection of the site, the applicant must submit an as-built site plan and/or a plan of restoration to the CRMC no later than forty five (45) days following the action necessary to correct the emergency problem. The site plan must illustrate the emergency activity undertaken, the wetlands affected, any alteration which resulted from the activity, and all restoration activities undertaken, or which are still required. The required site plan must comply with Appendix 5 of these Rules;

F. The time limitation for performance of an emergency alteration shall not exceed ten (10) days following initial approval by the CRMC unless written approval for an extension is obtained from the CRMC; and

G. Following submission of the as-built site plan required in paragraph E above, the applicant is required to comply with any additional activities necessary to prevent any permanent alteration or to finalize wetland restoration as detailed in writing by the CRMC.

A. A Request for Preliminary Determination application may be submitted to the CRMC to receive a determination as to whether or not a proposed *project* represents a *significant alteration*.

B. The CRMC's review of a Request for Preliminary Determination may result in one of the following outcomes:

1) Issuance of a *permit*, with conditions, for an *insignificant alteration of freshwater wetlands*. Appendix 1 of these *Rules* provides examples of *insignificant alterations*; or

- 2) Issuance of a determination, in accordance with Section 2-1-22(a) of the Act, that a *significant alteration* has been proposed and that a *permit* may be sought only by filing an Application to Alter a Freshwater Wetland (Rule 10.00); or
- 3) Issuance of a determination that a *permit* is not required, along with conditions deemed necessary to ensure that this remains the case in the future.

9.02 Request to Determine the Presence of Wetlands Application Requirements

- A. ~~An application may be made to the CRMC to request a determination regarding either:
 - 1) ~~The presence of wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, on the property which are regulated by the CRMC, or~~
 - 2) ~~The verification of the delineated edge of wetlands on the property.~~~~
- B. ~~Under Rule 9.02(A)(1) above, the CRMC will inspect the property and issue a determination stating whether or not regulated wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, are present. The purpose of this determination is not to verify the specific location of wetlands, but to generally determine whether wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, are present on the property and the type of such wetlands.~~
- C. ~~Under Rule 9.02(A)(2) above, the CRMC will inspect the wetland edge(s) delineated by the applicant and, if in substantial agreement with the documentation provided by the applicant, confirm the presence of identified wetlands and the location of their delineated edges.~~
- D. ~~For purposes of determining the presence of wetlands on property under Rule 9.02(A)(1) above, the applicant must submit a site plan of the subject property which clearly indicates the property location and property boundaries. The required site plan must meet all applicable site plan requirements as set forth in Appendix 5 of these Rules. If property boundaries are not clearly identifiable on the subject property, the applicant must clearly identify the boundaries on the property with labeled markers such as flags or stakes.~~
- E. ~~For verification purposes under Rule 9.02(A)(2) above, the applicant must undertake the following:
 - 1) ~~Submit site plans prepared by a qualified professional (see Rule 12.00) which identify the wetlands and their edges that the applicant wishes the CRMC to verify on the property and which conform to all site plan requirements. (See Appendix 5). Each wetland edge which the applicant wishes to have verified shall be identified on the property and recorded on the site plans as follows:
 - (a) ~~The wetland edge on the property shall be flagged with sequentially numbered or lettered flags. Flags must be placed at the wetland edge in sufficient numbers to clearly identify the edge to be verified. The distance between flags must allow for adequate visibility from one flag to another;~~
 - (b) ~~The wetland edge shall be surveyed and recorded on a site plan showing the location and number/letter of the flag corresponding with those flags at the site; and~~
 - (c) ~~In addition to the surveyed wetland edge, periodic measurements (i.e., at least one (1) for every one hundred feet (100') of surveyed edge) must be recorded on the site plan which indicate the distance from the surveyed edge to fixed reference points on the property. Fixed reference points on the property shall include, but are not limited to: stone walls, watercourses, roads, trails, buildings, structures, fences, cut transects or traverse lines, survey stakes with stations or other features which allow confirmation of the location of the flagged wetland edge by field measurements;~~~~
 - 2) ~~Identify the professional(s) conducting the delineation; and~~
 - 3) ~~Provide documentation on forms provided by the CRMC which describes the reasoning used to delineate a particular wetland edge or any series of edges.~~~~

- ~~F. Any determination regarding the presence of wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, or any verification of a wetland edge issued by the CRMC in accordance with Rule 9.02(A) shall be valid for a period of three (3) years from the date of issue.~~
- ~~G. Any determination regarding the presence of wetlands, or any verification of a wetland edge issued by the DEM within four (4) years prior to the effective date of these Rules shall be valid for a limited period of four (4) years from the effective date of these Rules. Any other determination of the presence or absence of wetlands, or other verifications of wetland edges shall be considered outdated and superseded as of the effective date of these Rules.~~

An applicant seeking a Request for Preliminary Determination must submit the following documents and must adhere to the following requirements:

- A. Project Scope. The application must include and describe the entire *project* either proposed or contemplated by the applicant. A request for a partial review or review of fewer than all phases of a *project* may be considered by the CRMC only if:
- 1) The CRMC has previously reviewed the entire *project* and has considered all *project* impacts on *freshwater wetlands*; or
 - 2) As a condition of a prior determination, *permit*, consent agreement, or consent judgment, the CRMC required separate applications for individual portions of an overall *project*.
- B. General Requirements. The applicant must satisfy the general requirements set forth in Rule 7.00 which include the following:
- 1) A completed application form (Rules 7.01 and 7.02);
 - 2) The appropriate fee (Rules 7.10 and 7.11);
 - 3) A completed site plan that accurately depicts the wetlands *edges* that are on the property (Rules 7.03 and 7.04); and
 - 4) Site requirements to identify the proposed *project* (Rule 7.05).
- C. Project Description. The applicant must provide an overall description of the *project*, including *project* size, purpose, location and type; site history; and a description of the areas evaluated, including nearby roadways and adjacent land uses.
- D. Avoidance and Minimization Requirement
- 1) Avoidance: All *persons* must satisfactorily demonstrate to the CRMC in the form of a written narrative that all probable impacts to *freshwater wetlands* functions and values have been avoided to the maximum extent possible. The written narrative must describe what steps were taken to avoid impacts to *freshwater wetlands*. At a minimum, applicants must consider and address the following issues:
 - a) Whether the primary proposed activity is water-dependent or whether it requires access to *freshwater wetlands* as a central element of its primary purpose (e.g., a pier);
 - b) Whether any areas within the same property or other properties owned or controlled by the applicant could be used to achieve the *project* purpose without altering the natural character of any *freshwater wetlands*;
 - c) Whether any other properties reasonably available to, but not currently owned or controlled

by, the applicant could be used to achieve the *project* purpose while avoiding wetland alterations. A property is reasonably available if, in whole or in part, it can be acquired without excessive cost, taking individual circumstances into account, or, in the case of property owned or controlled by the same family, entity, group of affiliated entities, or local, state or federal government, may be obtained without excessive hardship;

- d) Whether alternative designs, layouts or technologies could be used to avoid *freshwater wetlands* or impacts on functions and values on the subject property or whether the *project* purpose could be achieved on other property that is reasonably available and would avoid wetlands;
- e) Whether the applicant has made any attempts (and if so what they were) to avoid alterations to *freshwater wetlands* by overcoming or removing constraints imposed by zoning, infrastructure, parcel size or the like; and
- f) Whether the *feasible* alternatives that would not alter the natural character of any *freshwater wetlands* on the subject property or on property that is reasonably available, if incorporated into the proposed *project* would adversely affect public health, safety or the environment.

2) **Minimization:** For any impact to *freshwater wetlands* that cannot be avoided, the applicant must satisfactorily demonstrate to the CRMC in the written narrative that the impact to wetland functions and values have been reduced to the maximum extent possible. At a minimum, applicants must consider and address the following issues:

- a) Whether the proposed *project* is necessary at the proposed scale or whether the scale of the wetland alteration could be reduced and still achieve the *project* purpose;
- b) Whether the proposed *project* is necessary at the proposed location or whether another location within the site could achieve the *project* purpose while resulting in less impact to the wetland;
- c) Whether there are *feasible* alternative designs, layouts, densities or technologies, that would result in less impact to the wetland while still achieving the *project* purpose; and
- d) Whether reduction in the scale or relocation of the proposed *project* to minimize impact to the wetland would result in adverse consequences to public health, safety or the environment.

3) **Mitigation Measures.** Measures, methods, or *best management practices* to avoid alterations of and minimize impacts to wetlands include, but are not limited to:

- a) Preserving natural areas in and around wetlands;
- b) Minimizing the extent of disturbed areas and encouraging the preservation of land in its natural state;
- c) Designing dense plantings of shrubs and trees between the developed areas and the remaining natural areas (i) to "buffer" impacts from loss of *wildlife habitat* and loss of natural areas and (ii) to reduce the impacts of noise, lighting and other disturbances upon *wildlife* and the remaining natural areas;
- d) Maintaining unrestricted fish and *wildlife* passage;
- e) Designing structures and alterations so that they are located outside of *flood plain*, *floodway*, areas subject to flooding, flowing bodies of water or other *freshwater wetlands*;
- f) Using *best management practices* for the stabilization of disturbed areas and the selection, use, and maintenance of temporary or permanent soil erosion and *sediment* controls in accordance with the latest version of the RI Soil Erosion and Sediment Control Handbook

- and the RI Stormwater Design and Installations Standards Manual;
- g) Using *best management practice* selection and design criteria in accordance with the latest version of the RI Stormwater Design and Installation Standards Manual to reduce post-development stormwater flows and maximize the control, treatment and maintenance of systems that reduce stormwater impacts to acceptable levels;
 - h) Minimizing impervious surface areas such as roads, parking, paving or other surfaces;
 - i) Incorporating compensatory flood storage area(s) where necessary and in compliance with these *Rules*;
 - j) Encouraging infiltration of non-contaminated run-off into uncontaminated soils;
 - k) Preventing channelization or piping of run-off and encouraging sheet flow;
 - l) Landscaping with gradual slopes to maximize sheet flow and infiltration while minimizing channelization;
 - m) Minimizing or eliminating the use or increase of any *pollutants*, fertilizers, pesticides, herbicides, or any other chemical or organic application which increase *pollutant* and nutrient loadings;
 - n) Maximizing setbacks of septic systems and other land disturbances from wetlands; and
 - o) Minimizing the withdrawal of surface water or groundwater from wetlands or uplands adjacent to wetlands, especially during dry periods, and minimizing any reduction in *river* or *stream* flow.

E. Engineering Requirements

- 1) Applicants must submit supporting calculations, documents, and reports to demonstrate that the proposed *project* meets or exceeds the review criteria set forth in Rule 9.03 below and in Rule 10.05. Applicants should refer to the written evaluation – required elements in Rule 10.02 (E)(4)(c-e) for guidance.
- 2) Engineering calculations are not required for individual residential lots except where *areas subject to storm flowage, rivers, streams, or flood plains* will be altered.
- 3) The CRMC reserves the right to require additional information in order to satisfy the review criteria or to waive any requirement if it is determined that the information is not applicable.

F. Compliance with Water Quality Regulations. Applicants must comply with the DEM's Water Quality Regulations and standards, where applicable. The applicant must submit a separate application directly to DEM when a Water Quality Certification is required under the DEM Water Quality Regulations.

9.03 Request for Preliminary Determination Review by the CRMC

A. Purpose

A Request for Preliminary Determination may be submitted to:

- 1) ~~Determine whether or not a specific proposed project constitutes a significant alteration;~~
- 2) ~~Obtain a permit as an insignificant alteration; or~~
- 3) ~~Obtain a determination of non-jurisdiction.~~

B. General Information

- 1) ~~A Request for Preliminary Determination must include the overall project proposed or contemplated by the applicant. A request for partial review or review of a phase of any overall project may be considered by the CRMC when:~~

- ~~(a) The CRMC has previously reviewed the overall project which allowed the CRMC to contemplate full project impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; and/or~~
- ~~(b) The CRMC required, as a condition of a prior determination, permit, or consent agreement/judgment, separate applications for individual portions of an overall project.~~
- ~~2) The CRMC shall only issue a preliminary determination following on-site review and preliminary evaluation of the project and its anticipated impacts to the wetlands', area(s) of land within fifty (50) feet, riverbanks, and flood plains, natural characteristics, functions, and/or values.~~
- ~~3) In addition to the applicant, the CRMC will notify the applicant's attorney, agent, or other representative of his/her decision on an application only when the applicant has advised the CRMC in writing, at the time of the filing of the application, of the names and addresses of the individuals she or he wishes to have notified.~~
- ~~4) A Request for Preliminary Determination file shall be considered closed under the following circumstances:
 - ~~(a) The applicant fails to answer any notification of application deficiency or request for additional information by the CRMC within a period of six (6) months from the date the deficiency letter is issued;~~
 - ~~(b) A permit or determination of non-jurisdiction or significant alteration is issued by the CRMC; and/or~~
 - ~~(c) The CRMC is notified in writing of a change of ownership during the processing of the application and the new owner does not comply with Rule 8.06.~~~~
- ~~5) Notification of the CRMC's decisions on Requests for Preliminary Determinations will be forwarded, at least once each month, to the appropriate city or town clerk for distribution to local officials.~~

C. Determination of Non-Jurisdiction

- ~~1) The CRMC may determine that a project does not represent, in any way, an alteration of a wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and therefore does not require a specific written permit. Such projects shall receive a Determination of Non-Jurisdiction which will be issued to the applicant in letter form.~~
- ~~2) In order to facilitate receiving a Determination of Non-Jurisdiction by the CRMC, applicants should, at a minimum, identify the type and location of all freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, on the property in question and/or those freshwater wetlands that exist on adjacent property immediately along or in close proximity to the property boundaries within which the project or activity is proposed.~~
- ~~3) Once the CRMC confirms that the project or activity does not, in any way, represent an alteration of any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, the CRMC shall issue a Determination of Non-Jurisdiction for the project or activity. In such cases, no permit is required from the CRMC.~~
- ~~4) Determinations of Non-Jurisdiction may be issued by the CRMC with conditions deemed necessary to ensure that the project or activity will remain non-jurisdictional.~~

D. Insignificant Alterations – Permit

- ~~1) (a) The CRMC may grant a permit for proposed projects submitted under a Request for Preliminary Determination Application without requiring an Application to Alter. Such permits shall only be issued for insignificant alterations and shall be subject to such conditions, including requirements for transfer and time of completion, as the CRMC may require to protect the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~

- (b) ~~When the CRMC determines that a proposed project represents an insignificant alteration, the application shall be processed as a Category A application in accordance with section 110 of the Rhode Island Coastal Resources Management Program.~~
- 2) ~~In order to obtain a permit through a Request for Preliminary Determination, the Director must be satisfied either by supporting site plan(s) and/or documentation provided by the applicant and his/her qualified professionals, or through staff evaluation, or both, that:~~
- (a) ~~Any impacts, due to projects or activities which could alter freshwater wetlands and/or wetland functions and values, area(s) of land within fifty (50) feet, riverbanks, and flood plains, have been avoided;~~
 - (b) ~~Best management practices and other mitigative features were incorporated to avoid a significant alteration of wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and to protect these resource area functions and values;~~
 - (c) ~~Any impacts resulting from physical loss or permanent change of wetland characteristics are so limited in scope, area and/or duration that they could only result in minimal change or modification to the natural characteristics, functions and/or values;~~
 - (d) ~~The project and/or activities will not result in any random, unnecessary and/or undesirable alteration to any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains,; and~~
 - (e) ~~The project and/or activities comply with the review criteria set forth in Rule 11.02.~~
- 3) ~~Under normal circumstances, the alterations described in Appendix 1 represent insignificant alterations; however, other types of alterations not indicated in the Appendix may also be considered insignificant. The applicant should also be aware that certain circumstances peculiar to specific wetlands, the surrounding area, site conditions and the proposed project may result in a determination by the CRMC that a particular proposal represents a significant alteration and therefore requires the applicant to file an Application to Alter in order to obtain a permit from the CRMC. Therefore, even if a proposed project appears to conform with the examples of insignificant alterations as described in the Appendix, approval by the CRMC cannot be guaranteed. In addition, an applicant proposing a project that conforms or appears to conform with the examples of insignificant alterations still must seek a permit from the CRMC through a Request for Preliminary Determination Application before proceeding with the proposed project. The only projects altering the natural characteristics, functions, and/or values of freshwater wetlands that may proceed without CRMC approval are those described as exempt activities in Rule 6.00.~~
- 4) ~~Any permit issued under a Request for Preliminary Determination must, unless specified in the response letter, be in concert with site plans containing a CRMC stamp of approval.~~
- 5) ~~The permittee or any subsequent transferee of the property is responsible for the proper operation, maintenance, and stability of any mitigative features, facilities, and systems of treatment and control which are installed or used by the permittee to achieve compliance with these Rules and any terms, conditions, and/or stipulations of the permit and to prevent harm to adjacent wetlands. All applicants and/or subsequent transferees receiving a permit shall take all reasonable steps to minimize or prevent adverse impacts to any adjacent wetland environment and the functions and values provided by such environments during and after permitted activities.~~
- 6) ~~Any permit for alterations of wetlands, , area(s) of land within fifty (50) feet, riverbanks, and flood plains, issued under a Request for Preliminary Determination shall be valid for a period of three (3) years from the date of issue. Such permits may be renewed for one additional one (1) year period following submission of an Application for Renewal (see Rule 9.07) provided that the permittee remains in compliance with the permit.~~
- 7) ~~not applicable~~
- 8) ~~not applicable~~

- 9) ~~Any determination of permit issued prior to April 7, 1994 that contains a specific expiration date within the terms of the DEM's permit shall be valid only for the time period specified in such determinations or permit and may not be renewed.~~

E. Significant Alterations

~~If the CRMC determines that a proposed project appears to contemplate a significant alteration, an Application to Alter will be required. (See Rule 9.05). A determination by the CRMC that a project appears to contemplate a significant alteration is not a denial of a permit.~~

A. On-Site Review and Evaluation. Pursuant to Section 2-1-22(a) of the *Act*, the CRMC will act on a Request for Preliminary Determination only following an on-site review and a preliminary evaluation of the *project* and its anticipated impacts to the natural characteristics, functions, or values of the subject *freshwater wetlands*.

B. Significant Alteration. The CRMC will evaluate all Requests for Preliminary Determination to ascertain whether such *projects* will result in *significant alterations of freshwater wetlands*. The CRMC will consider the following criteria in making this evaluation, as well as the criteria in Rule 10.05. A proposed *alteration* may be considered significant whenever any one of the following conditions exist:

- 1) A *project* does not satisfactorily avoid, minimize or *mitigate* impacts to *freshwater wetlands*;
- 2) A *project* appears to propose a *random, unnecessary, or undesirable alteration to freshwater wetlands*;
- 3) A *project* appears to *alter* the character, functions or values of any *freshwater wetland* in a way that could result in the following:
 - a) More than a minimal change of any portion of any *swamp, marsh, pond, bog; special aquatic site, emergent, submergent, shrub or forested wetland, river, stream, intermittent stream* or other watercourse from wetland to upland;
 - b) The detrimental modification of the biological, chemical or hydrologic characteristics of any wetland areas which could reduce the natural values associated with the wetland;
 - c) Reduction of the value of any fifty-foot (50') *perimeter wetland*, or one hundred foot (100') and two hundred foot (200') *riverbank wetland* through permanent loss or change in characteristics;
 - d) More than minimal displacement of any flood waters onto or into property owned by others;
 - e) Increased flooding by a change in runoff;
 - f) Reduction of the groundwater recharge or discharge value of any wetland;
 - g) Reduction of *river, stream or intermittent stream* flows as a result of diversion or withdrawal of water;
 - h) Permanent change or conversion from one habitat type in a wetland to another; or
 - i) The disturbance or destruction of any *rare species* or *rare wetland type* or the degradation of habitat for *rare species*.
- 4) A *project* proposes temporary *alterations* which over time may cause significant permanent *alterations to freshwater wetlands* and their functions and values; or
- 5) Any individual *alteration* that may, when evaluated cumulatively with other *alterations*, cause significant impacts to *freshwater wetlands* and their functions and values.

C. Insignificant Alteration. In order to obtain a *permit* for an *insignificant alteration*, the CRMC must be satisfied, either by supporting site plan(s) and documentation provided by the applicant and his or her qualified professionals or by staff evaluation, that:

- 1) All probable impacts to *freshwater wetland* functions and values have been avoided to the maximum extent possible;
- 2) Any impacts resulting from physical loss or permanent change of wetland characteristics are so limited in scope, area or duration that they could only result in minimal change to the characteristics, functions and values of the *freshwater wetland*;
- 3) The *project* does not appear to propose any *random, unnecessary, or undesirable alteration* to any *freshwater wetland*;
- 4) Best management practices and other mitigative features were incorporated to avoid a significant alteration of wetlands and to protect wetland functions and values; and
- 5) The project complies with the review criteria set forth in Rule

10.05.

9.04 Applications Relating to Farmers Permit Requirements, Conditions, and Renewals

- ~~A. Applications relating to wetland alterations by farmers, except in accordance with Rule 9.04(E) below, must be submitted by the farmer directly to the Department's Division of Agriculture and Resource Marketing. The Division of Agriculture and Resource Marketing requires documentation that the activity undertaken is in accordance with the definitions set forth in Sections 2-1-22(i) and (ii) of the Act.~~
- ~~B. Applications shall be in writing and on a form prescribed by the Division of Agriculture and Resource Marketing.~~
- ~~C. The farmer shall include appropriate plans and drawings to a scale of not less than one inch to one hundred feet (1"=100') with the application. The Division of Agriculture and Resources Marketing requires that submitted plans, designs and drawings are in accordance with standards set by the United States Department of Agriculture, Natural Resources Conservation Service or these Rules.~~
- ~~D. The Division of Agriculture and Resource Marketing shall review such applications in conformance with Section 2-1-22(i) of the Act. Pursuant to this review, the Division of Agriculture and Resource Marketing shall notify the applicant, in writing, whether the proposal is an insignificant alteration within 30 days after the date the application was filed. If so, the Division of Agriculture and Resource Marketing will prepare and issue the permit to the farmer.~~
- ~~E. If the proposal is a significant alteration, the applicant must submit an Application to Alter a Freshwater Wetland to the Division of Agriculture and Resource Marketing consistent with the RIDEM Rules and Regulations Governing the Protection and Management of Freshwater Wetlands.~~

- A. The CRMC may grant a *permit* in response to a Request for Preliminary Determination, without first requiring an Application to Alter a Freshwater Wetland under Section 2-1-22(a) of the Act, provided, however, that any such *permits* shall only be issued for *insignificant alterations* and shall be subject to such conditions, including time of completion, as the CRMC may require to protect the wetlands.
- B. Any applicant or subsequent transferee receiving a *permit* under this Rule shall comply with all conditions of the *permit* and all provisions of the Act and these Rules. Any non-compliance with the

permit violates the Act and these Rules, and constitutes sufficient grounds for an enforcement action.

- C. The permittee or subsequent transferee of the property to which the permit relates is responsible for the proper installation, operation, maintenance and stability of any mitigative features, facilities, and systems of treatment and control that are installed or used to comply with these Rules and any terms and conditions of the permit and to prevent harm to freshwater wetlands. All applicants receiving a permit or subsequent transferees of the property shall avoid or minimize adverse impacts to any freshwater wetlands and their functions and values, both during and after permitted activities
- D. Unless specified in writing by the CRMC, any decision issued in response to a Request for Preliminary Determination applies only to the proposed project that is described in the Request and its supporting documentation, including the requisite site plans. Site plans shall bear a stamp of approval, signed by the CRMC, as well as the date of the permit letter and the correct application number.
- E. Any permit issued in response to a Request for Preliminary Determination shall be valid for a period of three (3) years from the date of issuance. Permits subject to the tolling provisions of R.I.G.L. § 46-23-6.3 shall be extended as provided below in subsection (1) or (2). Permits may be extended as provided in subsection (3) below.
1. Permits pertaining to the development of land that were in effect on November 9, 2009 shall be valid an additional 598 days after the three (3) year period established above.
 2. Permits pertaining to the development of land issued between November 9, 2009 and June 30, 2011 shall be valid until July 1, 2015.
 3. The permit may be extended by the permit holder in accordance with Section 5.12 of the CRMC Management Procedures, provided that:
 - a) The permit holder and project are in compliance with the permit; and
 - b) The permit holder submits an Application for permit extension that meets the requirements of Rule 11.02 and the CRMC Management Procedures.
- F. Upon completion of the construction of the permitted project, the permit does not need to be renewed by the permit holder.
- G. Any Preliminary Determination issued by the DEM that relates to an approval of a project as an insignificant alteration or a determination that the Act does not apply to a specific project, prior to April 7, 1994, is expired.

9.05 Application to Alter CRMC's Decision - Notification

The CRMC will mail notice of its decision to the applicant and the applicant's representative, if any, in accordance with the CRMC's Management Procedures.

A. General Requirements

- 1) ~~An Application to Alter will be required if a significant alteration is proposed. Such an application will be processed as a Category B application in accordance with section 110.2 of the Coastal Resources Management Program.~~

- ~~2) An Application to Alter must include the overall project proposed or contemplated by the applicant. A request for partial review or review of a phase of any overall project may be considered by the CRMC when:
 - ~~(a) The CRMC has previously reviewed the overall project which allowed the CRMC to contemplate full project impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and/or~~
 - ~~(b) The CRMC required, as a condition of a prior determination, permit, or consent agreement/judgment, separate applications for individual portions of an overall project.~~~~
- ~~3) In order to obtain a permit through an Application to Alter, the applicant must demonstrate through plans, evaluations and supporting documentation that the proposed project does not represent a random, unnecessary, and/or undesirable alteration of any freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, as defined herein.~~

~~B. Application Processing Practice and Procedures~~

~~Applications to Alter shall be processed in accordance with Section 5: Notification and Review of Permit Applications of the CRMC Management Procedures and Section 110.2 of the Coastal Resources Management Program.~~

~~1-8) — not applicable~~

~~C. Public Comments~~

~~5) The CRMC shall consider public comments on Applications to Alter in accordance with Section 5: Notification and Review of Permit Applications of the CRMC Management Procedures.~~

~~2-6) — not applicable~~

~~7) In cases where the city or town council of a municipality in which a project or activity is proposed files a substantive objection to the proposed project or activity, the Council may establish a subcommittee to review the application. The subcommittee shall make a recommendation to the full Council based upon the application, staff reports, municipal concerns and any public comments received. The Council shall then consider and act upon the application.~~

~~D. Water Quality Certificates~~

~~The CRMC shall require applicants to obtain a Water Quality Certificate in accordance with the DEM Water Quality Regulations (Rule 13). In addition, for those Applications to Alter where the CRMC identifies a water quality concern, the CRMC may require an applicant to obtain a Water Quality Certificate. Applicants required to obtain a Water Quality Certification may apply concurrently to the DEM.~~

~~E. Decisions Resulting from an Application to Alter Denial of Permit Permit Issuance~~

~~1) General~~

~~(a) Decisions shall be issued by the CRMC in accordance with Section 5: Notice and Review of Permit Applications of the CRMC Management Procedures.~~

~~2) Decision to Deny~~

~~(a) An application for a proposed alteration to any wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, will be denied by the CRMC if the project as proposed would result in a random, unnecessary, and/or undesirable alteration of a freshwater wetland, as those terms are defined herein, as such alterations are not in the best public interest.~~

~~(b) In determining whether a proposed alteration of a freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains, is random, unnecessary and/or undesirable, the CRMC shall consider the following:~~

~~(i) Whether the applicant has demonstrated that impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, have been avoided to the maximum extent possible, and that those impacts which are unavoidable have been~~

reduced to the maximum extent possible while complying with the review criteria as set forth in Rule 11.02;

- ~~(ii) Whether the applicant has demonstrated that the proposed project eliminates or minimizes probable impacts to freshwater wetland functions and values, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and the environment, health, welfare and general well being of the populace; and~~
- ~~(iii) Whether the proposed project will contribute to adverse cumulative impacts on wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- ~~(c) The decision to deny approval shall be in the form of a letter which will state the reasons for denial.~~

~~3) Decision to Permit Practice and Limitations~~

- ~~(a) The CRMC shall issue a permit for an application which, in the opinion of the Director, does not represent a random, unnecessary, and/or undesirable alteration of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains.~~
- ~~(b) The applicant may only proceed with the approved project within freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, in strict compliance with such terms and conditions, including time for completion, as the CRMC may require to ensure the protection of freshwater wetlands and the functions and values they provide. Conditions and terms of the permit may require modification of portions of the project, as described by plans provided by the applicant.~~
- ~~(c) Plans referenced within the permit letter shall be stamped approved by the CRMC.~~
- ~~(d) A copy of the permit and one set of the approved site plans must be maintained at the project site at all times during construction and up to the time of project completion. The CRMC Assent card must be maintained at the site in a conspicuous location until such time that the project is complete.~~
- ~~(e) Where stipulated in the permit, the permit shall be recorded at the expense of the owner, in the land evidence records of the city/town where the subject property is located within ten (10) days of receipt of the permit letter. The applicant must submit written documentation from the city or town showing that the permit letter was received for recording immediately upon recordation.~~
- ~~(f) Unless otherwise ordered by the Director or unless an extension of a permit is obtained, all permits are limited to a period of three (3) years from the date of issue and shall expire thereafter.~~
- ~~(g) not applicable~~
- ~~(h) Permitted activities affecting freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, occurring or ongoing at the expiration deadline of any permit or any renewal permit must cease until such time that a new permit has been issued by the CRMC in accordance with these Rules.~~
- ~~(i) not applicable~~
- ~~(j) not applicable~~
- ~~(k) not applicable~~

~~4) Appeal of Decisions~~

~~Any person who has exhausted all administrative remedies available to him or her within the CRMC, and who is aggrieved by a final decision in a contested case is entitled to judicial review in accordance with Section 13: Judicial Review of Contested Cases of the CRMC Management Procedures.~~

~~5)not applicable~~

F. Hearings

~~1) Public Hearings~~

~~(a) When necessary, the CRMC will hold public hearings on proposed alterations to wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, when a request for such a hearing is made in accordance with Rule 9.05(C) and Section 5: Notification and Review of Permit Applications of the CRMC Management Procedures.~~

~~2) Adjudicatory Hearings~~

~~Appeal of a final decision regarding an Application to Alter shall be held in accordance with Section 13: Judicial Review of Contested Cases of the CRMC Management Procedures.~~

~~3) Permit Issuance Following Exhaustion of Legal Remedies~~

~~After exhaustion of available legal remedies the CRMC, when ordered, will issue a permit with terms and conditions as established by the CRMC in accordance with the requirements set forth in these Rules to ensure the protection of wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, and the functions and values they provide.~~

~~G. Closing of an Application~~

~~An Application to Alter shall be considered closed under the following circumstances:~~

~~1) The applicant fails to answer any notification of application deficiency or request for additional information by the CRMC within a period of six (6) months from the date the deficiency letter is issued;~~

~~2) A permit or a letter of denial is issued and the applicant fails to appeal the decision within thirty (30) days of receipt of the decision;~~

~~3) The Director is notified in writing of a change in ownership during the processing of the application and the new owner does not comply with Rule 8.06; and/or~~

~~4) The applicant is notified in writing that a substantive objection related to the subject application was received and fails to provide a written authorization and fee for a public hearing within thirty (30) days following receipt of such notification.~~

~~2) An application has been brought before the Council three (3) times, and the applicant or his legal counsel has failed to appear or offer an acceptable explanation for their absences.~~

9.06 ~~not applicable~~ Application Closure

A. The CRMC's consideration of any Request for Preliminary Determination shall be deemed to have terminated, and the applicant's file shall be deemed closed, when any of the following circumstances has occurred:

1) The applicant fails to answer any notification of application deficiency or request for additional information by the CRMC within the prescribed and written timeframe provided in the notification or request; or

2) The CRMC is notified of a change of ownership during the processing of the application, and the new owner does not comply with Rule 7.02 (E) within 60 days; or

3) The CRMC has issued a permit or a written determination that the Act and these Rules do not apply, or that a proposed project represents a significant alteration of freshwater wetland

9.07 ~~Application for Permit Extension~~

~~Applicants may petition the CRMC in writing for a permit extension in accordance with Section 5.11 Permit Extensions of the CRMC Management Procedures.~~

~~A. G. not applicable~~

9.08 ~~not applicable~~

9.09 Application for Permit Modification

- A. Prior to the expiration of a valid permit, a permittee may apply to the CRMC requesting approval to incorporate minor modification(s) to the permitted project. Such modification(s) in all cases may not change the primary intent of the original permitted project and may not increase, in any way, the limits of disturbance previously permitted or increase the anticipated impacts from that previously permitted by the CRMC, and must be minor in nature in relation to the originally permitted project.
- B. The application shall be made on a form prescribed by the CRMC and must be completed and submitted with revised plans for the CRMC's review including the appropriate fee. The revised plans submitted with the application shall clearly depict the proposed modification and shall comply with all requirements stipulated in the original application and with these Rules. (See Appendix 5 for site plan requirements).
- C. In addition to revised plans and appropriate fee, the permittee must submit a written narrative and any additional data which describes and details the minor changes and/or modification proposed and the reasons for the modification.
- D. An Application for Permit Modification will not be approved if, in the opinion of the CRMC, the modification(s): are not minor in nature in relation to the originally permitted project; change the intent of the original project; increase in any way the limits of disturbance previously permitted; or increase the anticipated impacts from that previously permitted by the CRMC.
- E. Following receipt of an Application for Permit Modification, the CRMC may:
 - 1) Issue a revised permit for the modified project; or
 - 2) Inform the applicant that the modifications requested require a new application.

Rule 10.00 - Protection of Wetland Functions And Values Application to Alter a Freshwater Wetland

10.01 Impact Avoidance and Minimization Requirement Purpose

- A. Impact Avoidance
All applicants submitting an Application to Alter, or seeking a permit through a Request for Preliminary Determination must demonstrate to the CRMC in writing that all probable impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, have been avoided to the maximum extent possible. If impacts cannot be avoided, the applicant must satisfactorily demonstrate in writing that there are no alternatives to the proposed alterations which would not alter the natural character of any freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. The written evaluation must describe what steps were taken to avoid impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. At a minimum, applicants must consider and address those issues set forth in Appendix 3(A).
- B. Impact Minimization
If all impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains cannot be avoided, an applicant submitting an Application to Alter, or seeking a permit through a Request for Preliminary Determination must demonstrate to the CRMC in writing that any probable impacts to wetland functions and values have been reduced to the maximum extent possible. The applicant must, at a minimum, consider and address those issues set forth in Appendix 3(B); and, where required by Rule 10.03, describe and assess the probable impacts of the proposed project on wetland functions and values, and demonstrate to the CRMC that the proposed project meets and/or exceeds the review criteria as set forth in Rule 11.02.

- A. In accordance with Section 2-1-22(a) of the Act, an Application to Alter a Freshwater Wetland will be required if a significant alteration is proposed. Such an application is subject to the application procedures and requirements as set forth in Section 2-1-22 of the Act and these Rules.

- B. A significant alteration results from a project that: (1) because of its area, scope or duration, appears to represent more than a minimal change in or modification to the natural characteristics, functions or values of any freshwater wetland; (2) may be detrimental to the basic natural capabilities or values associated with such freshwater wetland; or (3) appears to be random, unnecessary or undesirable.
- C. Prior to filing an Application to Alter, an applicant may file a Request for Preliminary Determination to determine whether or not a project appears to represent a significant alteration to freshwater wetlands. The CRMC recommends that an applicant file a Request for Preliminary Determination prior to filing an Application to Alter, unless the applicant is confident that the project represents a significant alteration to freshwater wetlands.

10.02 Freshwater Wetland Functions and Values Application Requirements

A. General Information

~~The CRMC will evaluate all proposed projects which may alter the natural character of freshwater wetlands and their functions and/or values, area(s) of land within fifty (50) feet, riverbanks, and flood plains, to determine the extent to which the proposed project will impact wetland functions and/or values as described in this Rule.~~

B. Functions and Values

~~Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains, provide the following functions and values:~~

1) Wildlife and Wildlife Habitat

~~Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains are important areas for the production and diversity of wildlife. Wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains provide habitat for individual species and communities of animals and plants. Animals include both game and non-game species, which may be either obligate or facultative, and which may be permanent residents, seasonal or transient in nature. Wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains serve as travel corridors, nesting sites, feeding sites, resting sites, nursery and/or brood rearing sites, escape cover, and seasonal breeding, migration, and overwintering habitat for wildlife. Wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains provide critical habitat for some plant and animal species, and provide habitat for rare animal and rare plant species.~~

2) Recreation and Aesthetics

~~Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains provide and potentially provide a variety of important active and passive recreational and aesthetic values to the general populace. Such active and passive recreational values include, but are not limited to activities such as; hunting, fishing, trapping, cross-country skiing, ice skating, boating, waterskiing, canoeing, camping, swimming, bicycling, hiking/walking, horseback riding, harvesting of natural foods or plant materials, bird watching, education and nature studies or other animal observations and photography. Aesthetic values include, but are not limited to, the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains visual, aural and cultural qualities such as its prominence as a distinct feature in the local area, including its prominence as open space; whether the wetland, area of land within fifty (50) feet, riverbank, or flood plain is a rare type; whether the wetland, area of land within fifty (50) feet, riverbank, or flood plain actually maintains or provides suitable habitat for any rare animal or rare plant species; whether the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains has any outstanding or uncommon geomorphological features; and whether the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains contains archaeological evidence or historic significance.~~

3) Flood Protection

Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains protect life and/or property from flooding and flood flows by storing, retaining, metering out, and otherwise controlling flood waters from storm events. Further, wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains control the damaging effects of flood flows by dissipating erosive forces, providing frictional resistance to flood flows, and providing shoreline anchoring values.

4) Surface Water and Groundwater

Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains provide and/or maintain surface and/or groundwater supplies by acting as a recharge or discharge area, or in the case of some ponds, acting as surface water reservoirs. While groundwater recharge and discharge functions and values may vary seasonally, a freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains may, either individually or cumulatively, be an important factor in replenishing ground and surface water supplies, maintaining stream flows, transporting surface waters, and storing or metering out surface waters and/or groundwater during seasons or periods of droughts.

5) Water Quality

Freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains protect and/or maintain important water quality functions and values by nutrient retention or removal; pollution filtration; sediment removal; oxygen production; turbidity reduction; maintenance or modification of stream flow; temperature and oxygen regimes in both flowing and surface water bodies, and providing and maintaining safe drinking water supplies.

An applicant seeking a permit for a significant alteration through an Application to Alter a Freshwater Wetland must adhere to the following requirements and submit all written evaluations and documentation as set forth in Rule 10.02 (C).

A. Project Scope. An Application to Alter a Freshwater Wetland must include and describe the entire project proposed or contemplated by the applicant. A request for a partial review or a review of fewer than all phases of a project may be considered by the CRMC only if:

- 1) The CRMC has previously reviewed the entire project and considered all project impacts on freshwater wetlands; or
- 2) As a condition of a prior determination, permit, or consent agreement, or consent judgment, the CRMC required separate applications for individual portions of an overall project.

B. General Provisions. A completed Application to Alter must comply with the general provisions set forth in Rule 7.00 as well as the following specific requirements:

- 1) An original completed application form (See Rule 7.01);
- 2) Site plans which accurately and clearly depict the project and provide, in the opinion of the CRMC, the correct location, extent, and type of all wetlands within and near the project (Rule 7.03 and 7.04);
- 3) A fee (Rule 7.10 and 7.11);
- 4) Proof of ownership in the form of a current certified copy of the deed of the subject property;
- 5) A current list of the property owners whose properties abut the proposed project parcel(s) as

required by Section 5 of the CRMC Management Procedures. This list of property owners must contain the current mailing address of each property owner and must be accompanied by a map drawn to scale of not less than one inch to one hundred feet (1"=100') showing the properties, lot numbers, and corresponding owners immediately abutting the parcel(s) of the proposed wetland alteration(s).

For the purposes of determining the abutting property owners to the proposed project, the applicant shall measure from the outermost boundaries of the proposed wetland alterations. Such wetland alteration boundaries must include at least the following:

- a) The extent of all physical disturbance in regulated wetlands;
 - b) The extent of any impoundment or raising of water elevations in wetlands;
 - c) The extent of drainage of wetlands, including lowering of surface and sub-surface water elevations;
 - d) The relocation of flowing bodies of water or watercourse s, including the original and proposed locations; and
 - e) The expansion of any regulated wetland areas into adjacent properties.
- 6) All written evaluations and documentation as set forth in Rule 10.02 (C);
- 7) Following notification from the CRMC, the required number of full-size and reduced site plans, drawn to scale and legible, which are necessary to provide to the municipality, the abutters, and other interested parties;
- 8) Completed field work that includes field reference markers on the property and points on the site plans sufficient to outline the limits of the project and to identify the edge of all wetlands within the project in a manner sufficient for the CRMC to properly complete its evaluation.

C. Written Documentation and Evaluation

All applicants must provide a written evaluation including a table of contents, a project description, an avoidance and minimization statement, and an evaluation of the wetland functions, values and impacts:

- 1) The Table of Contents shall list all section titles and their corresponding page numbers.
- 2) The Project Description shall describe the overall project, including the project size, purpose, location, and type; site history; and overall areas evaluated including nearby roadways and adjacent land uses.
- 3) The Avoidance and Minimization Statement must satisfy the avoidance and minimization requirements as set forth in Rule 10.02 D below.
- 4) The Evaluation of Functions, Values, and Impacts must describe the evaluation methodology, qualifications of professional(s) performing the evaluation; identification of regulated freshwater wetlands; description of wetland functions, values, and impacts, identification of the proposed measures to reduce such impacts; conclusions; and any literature citations as set forth in Rule 10.02 E below.

D. Avoidance and Minimization Requirement

- 1) Avoidance: All persons must satisfactorily demonstrate to the CRMC in the form of a written narrative that all probable impacts to freshwater wetlands functions and values have been avoided to the maximum extent possible. The written narrative must describe what steps were taken to avoid impacts to freshwater wetlands. At a minimum, applicants must consider and address the following issues:
 - a) Whether the primary proposed activity is water-dependent, or whether it requires access to freshwater wetlands as a central element of its primary purpose (e.g., a pier);
 - b) Whether any areas within the same property or other properties owned or controlled by the applicant could be used to achieve the project purpose without altering the natural character of any freshwater wetlands;
 - c) Whether any other properties reasonably available to, but not currently owned or controlled by, the applicant could be used to achieve the project purpose while avoiding wetland alterations. A property is reasonably available if, in whole or in part, it can be acquired without excessive cost, taking individual circumstances into account, or, in the case of property owned or controlled by the same family, entity, group of affiliated entities, or local, state or federal government, may be obtained without excessive hardship;
 - d) Whether alternative designs, layouts or technologies could be used to avoid freshwater wetlands or impacts on functions and values on the subject property or whether the project purpose could be achieved on other property that is reasonably available and would avoid wetlands;
 - e) Whether the applicant has made any attempts (and if so what they were) to avoid alterations to freshwater wetlands by overcoming or removing constraints imposed by zoning, infrastructure, parcel size or the like; and
 - f) Whether feasible alternatives that would not alter the natural character of any freshwater wetlands on the subject property or on property that is reasonably available, if incorporated into the proposed project, would adversely affect public health, safety or the environment.

- 2) Minimization: For any impact to freshwater wetlands that cannot be avoided, the applicant must satisfactorily demonstrate to the CRMC in the written narrative that the impact to wetland functions and values have been reduced to the maximum extent possible. At a minimum, applicants must consider and address the following issues:
 - a) Whether the proposed project is necessary at the proposed scale or whether the scale of the wetland alteration could be reduced and still achieve the project purpose;
 - b) Whether the proposed project is necessary at the proposed location or whether another location within the site could achieve the project purpose while resulting in less impact to the wetland;
 - c) Whether there are feasible alternative designs, layouts, densities or technologies, that would result in less impact to the wetland while still achieving the project purpose; and
 - d) Whether reduction in the scale or relocation of the proposed project to minimize impact to the wetland would result in adverse consequences to public health, safety or the environment.

- 3) Mitigation Measures: Measures, methods, or *best management practices* to avoid *alterations* of and minimize impacts to wetlands are described in Rule 9.02 (D) (3).

E. Evaluation of Wetland Functions, Values, and Impacts

All applicants must describe those functions and values provided and maintained by the subject *freshwater wetland*; describe and assess any anticipated impacts to the wetland's functions and values; and describe all structural or non-structural *best management practices*, best available technologies, schedules, and management plans which will be employed to avoid, or minimize impacts to *freshwater wetlands* to the maximum extent possible. This written evaluation must clearly and fully explain how the proposed project complies with the applicable review criteria set forth or referred to in Rule 10.05 and must describe the evaluation methodology, the qualifications of persons involved in the evaluation, and must describe all freshwater wetlands.

- 1) Evaluation Methodology: Identify the scientific techniques and methods which were used to complete the evaluation, including the dates and times of observations and field studies and the result of such observations and field studies. Identify each specific evaluation methodology that was used, and identify, describe, and explain any deviation from the methodology, and any assumptions made with a specific methodology. Identify and describe any limitation placed upon the study or evaluation which could affect the outcome of the results.
- 2) Qualifications: List the names and qualifications of each *person* involved in the evaluation. Assessment of wetland functions and values and impacts may require input by more than one qualified professional consultant or more than one individual familiar with the specific functions or values of the wetland. The names, addresses and backgrounds of any individuals consulted for the evaluation must be submitted as well as a description of the extent of their participation.
- 3) Freshwater Wetlands: Describe all *freshwater wetlands* on-site as well as any off-site wetlands that are hydrologically connected to the on-site wetland(s) and identify all wetlands evaluated, including any areas of potential impact associated with the *project* within *freshwater wetlands*.
- 4) In addition to the evaluation elements required above, the applicant must address the following requirements in the written evaluation:
 - a) Wildlife and Wildlife Habitat
 - (i) Wetland Characteristics. Provide the size of the wetland(s), and describe the topography, microtopography (*i.e.*, leaf litter, mound and pool, exposed soil, rocks), soils, hydrology, dominant plant communities and vegetation in each stratum (*i.e.*, tree, shrub, and herbaceous layers) or, if a *pond*, *special aquatic site* or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') of the *edge* of the subject wetlands; and identify the wetland(s) which are hydrologically connected to the on-site wetland(s) with distances between wetlands provided;
 - (ii) Wildlife Indicators. Detail and describe the indications of *wildlife* use (*e.g.*, direct observation of *wildlife* or indicators such as burrows, scat, tree cavities, tracks, trails, nests, scrapes, and any other observable signs or vocalizations). Detail those species known to be present or that can be anticipated to use the habitat that is present. Note the presence of *wildlife habitat* which is likely to be used by game or non-game species;

- (iii) Wetland Values. Identify and describe the current and potential ability of the wetlands to provide or maintain the functions and values as defined herein relating to *wildlife* and *wildlife habitat*; and
- (iv) Proposed Impacts. Identify and describe the physical, chemical and biological impacts, both short-term and long-term, to the *wildlife habitat* associated with the wetland resulting from the *project* which include, but are not limited to: impacts to travel, nesting, feeding, spawning, resting, nursery or brood rearing, escape cover, seasonal breeding, migration, and over-wintering for resident, seasonal or transient species; impacts to any *rare* species; impacts to any game or non-game species managed by state or federal fish and game agencies; impacts to *wildlife habitat* functions and values due to changes associated with lighting, noise, temperature, water quality, air quality, water velocity, flow patterns, water elevations, water temperature, fragmentation of habitat, predator/prey relationships, composition of plant or animal communities, intrusion of exotic or *invasive species*; whether the *project* may result in displacement, reduction or extirpation of any *wildlife* species; and whether the *project* will result in any cumulative loss of *wildlife habitat*, *wildlife* species or *wildlife* populations.

b) Recreation and Aesthetics

- (i) Wetland Characteristics. Provide the size of the wetland(s), and describe topography, soils, hydrology, dominant plant communities and vegetation in each stratum (i.e., tree, shrub, and herbaceous layers), or if a *pond* or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') from the *edge* of the subject wetland(s), and identify the wetland(s) which are hydrologically connected to the on-site wetland(s) with distances between wetlands provided. Also, identify and describe the location of the wetland(s) and the availability of public access and viewing sites;
- (ii) Wetland Values. Identify and describe the current and potential ability of the wetland to provide or maintain the functions and values as defined herein relating to recreation and aesthetics; and
- (iii) Proposed Impacts. Describe the probable individual and *cumulative impacts* of the *project* on the wetland's recreational and aesthetic values and any potential reduction in the wetland's current or potential ability to provide aesthetic values and active or passive *recreational activities* to the public. Consider the impacts to: *wildlife habitat*; *rare* species; vegetation and plant communities; water quality; water temperature, water velocity, water volume and water elevation; *wildlife* which can be fished, hunted, trapped, observed, heard, studied, or photographed; open space value; public access and public's view of the wetland; wetland's prominence as a distinct feature in the local area; the use and enjoyment of watercourses or water bodies within, adjacent to, or nearby the *project*; and the wetland's functions and values as a *rare* wetland type.

c) Flood Protection

- (i) Drainage Characteristics. Identify and describe the drainage characteristics of the site of the *project*, including any areas contributing stormwater runoff to *freshwater wetlands*; describe the drainage characteristics of any *surface water* flows within the *project* site, or within any *freshwater wetlands* on or off-site that may be impacted by the *project*; and identify and describe the extent of flooding up to and including a 100-year frequency storm flood event. Include a map which delineates the watershed of: the site of the *project*; any wetlands receiving water from the site of the *project*; and any off-site wetlands which may be impacted by the *project*.

- (ii) Wetland Values. Identify and describe the wetland functions and values as defined herein relating to the ability of the wetland to temporarily store or meter out flood waters from storm events, and to accommodate *surface water* and drainage through or within the wetland under *pre-project* conditions.
- (iii) Analysis of Proposed Impacts.
- (aa) *Projects* proposing changes in run-off towards *freshwater wetlands*: Submit a stormwater analysis for pre- and post-*project* runoff rates based upon the 1-year, 10-year, and 100-year, 24-hour, Type III storm events. The analysis must be performed using methodologies specified in the most recent version of the RI Stormwater Design and Installation Standards Manual. In the event that the stormwater analysis reveals any increase above pre-*project* runoff rates, or any increase in peak flood elevations within receiving waters/wetlands, identify and describe the impact such proposed increase may have upon all wetland functions and values as defined herein. Describe the anticipated impacts to the wetlands using supporting calculations, data, diagrams, graphs, and observations.
- (bb) *Projects* proposing changes in drainage characteristics of *freshwater wetlands* or affecting the wetland's ability to store, meter out, or reduce the impacts of flooding and flood flows: Identify and describe all *project* components that may decrease the wetland's flood storage capacity, decrease the wetland's ability to meter out flood waters, or decrease the wetland's ability to maintain surface flows and natural drainage characteristics. Such *project* components include, but are not limited to: changes in topography from filling or excavation; changes in vegetative characteristics; additions of buildings or structures; and piping, culverting, bridging, excavating, channelization, relocation, filling, *damming* or *diking*. Identify and describe the impacts the *project* may have upon all wetland functions and values as defined herein. Describe the anticipated impacts of all *projects* using supporting calculations, data, diagrams, figures, graphs or observations as appropriate. Such impact evaluation must be supported by a flood flow analysis based upon the 1-year, 10-year, and 100-year, 24-hour, Type III storm event for pre- and post-*project* conditions.
- (iv) Compensation for Loss of Flood Storage. *Projects* which propose filling or placement of structures in a *flood plain* or *area subject to flooding* may provide compensatory flood storage in order to comply with the review criteria as set forth in Rule 10.05 by excavation or by permanently eliminating structures which currently displace flood waters; however, compensatory storage may not be proposed beneath or within the confines of any building or structures. Where applicable, compensatory flood storage must be proposed in accordance with the following requirements:
- (aa) The volume of compensatory flood storage must be equal to or greater than the volume of floodwaters displaced by the *project*;
- (bb) The compensation area must have an unrestricted hydraulic connection to the affected wetland and provide the same rate of flood storage capture and discharge over the course of the flood event as in pre-*project* conditions;
- (cc) Compensatory storage must be located within the same reach of the *river* or *flowing body of water* (i.e., between the nearest features controlling the flood water elevations upstream and downstream from the proposed displacement area) as the *project* involving flood water displacement, and must be located as close to the proposed displacement area as possible;

- (dd) Compensatory storage must precede the construction of any portion of the *project* which displaces flood waters;
- (ee) Where the applicant proposes a compensatory storage area on property owned by others, the applicant must submit a written agreement between such landowner and the applicant wherein the landowner agrees to convey an easement or other property interest or right to the applicant allowing compensatory storage, and to permanently maintain such area for flood storage purposes in the event that the CRMC approves the applicant's *project*; and
- (ff) The design must include all features and *best management practices* to ensure that impacts to other *freshwater wetland* functions and values have been *mitigated*.

d) Groundwater and Surface Water Supplies

- (i) Drainage Characteristics. Identify and describe the current drainage characteristics, including both surface and groundwater flows, within and to any wetland(s) that may be affected by the *project*. Identify the pre-*project* elevation range of the surface or groundwater on a seasonal and annual basis in the wetland(s) and in the vicinity of the proposed *alteration*. Describe the extent to which the surface or groundwater levels deviate from long-term ranges and averages. Include a map delineating the watershed of: the site of the *project*; any wetlands receiving water from such site; and any off-site wetlands which may be impacted by the *project*.
- (ii) Wetland Functions and Values. Identify and describe the wetland's functions and values as defined herein relating to *surface water* or groundwater supplies.
- (iii) Proposed Impacts. Identify and describe all components and activities of the *project* that may directly or indirectly divert, reduce or contain surface or groundwater flow to, away from, or within any wetland(s), including a description of the volumes of water which may be diverted, reduced or contained, and the rate and duration of such diversion, reduction or containment. Identify and describe the impacts the *project* may have upon all wetland functions and values. Describe the anticipated impacts to the wetland using supporting calculations, data, figures, diagrams, graphs and observations as appropriate.

e) Water Quality

- (i) Drainage Characteristics. Identify and describe the current drainage characteristics of the area of the *project*, including any on- or off-site wetlands that may be impacted by the *project*.
- (ii) Wetland Functions and Values. Identify and describe the wetland's functions and values as defined herein relating to water quality; and describe the present water quality classification of any water body as set forth in the most recent edition of the Rhode Island Department of Environmental Management 3.05(b) Report, State of the State's Waters. Include a description of the water quality conditions of all *freshwater wetlands* within the *project* area, as well as any off-site wetlands that may be affected by the *project*.
- (iii) Water Quality Analysis.
 - (aa) When required, submit a pollutant loading analysis that quantifies the *pollutants* in stormwater runoff for both pre- and post-*project* conditions using the methodology specified in the most recent edition of RI Stormwater Design and

Installation Standards Manual. If the methods used incorporate the best available technology, but are different from those in the manual or deviate from its guidelines, the applicant must describe why they were used and submit and document all data, calculations, and methods used. The acceptance of these alternative methods is subject to CRMC approval; and

(bb) Submit a water quality analysis that quantifies the *pollutant* concentrations or loadings from Land Uses with Higher Potential Pollutant Loads (LUHPPLs) that is in excess of those loadings typically found in stormwater runoff, including, but not limited to, industrial operations, chemical manufacturing, waste processing facilities, plant nurseries or other land uses involving use of fertilizers, herbicides, pesticides for both pre- and post-*project* conditions by using one or more acceptable and scientifically supported methodologies. The acceptance of the method(s) utilized for such calculations is subject to CRMC approval.

(iv) Proposed Impacts. Identify and describe all components and activities of the proposed *project* that may result in any degradation of water quality associated with *freshwater wetlands* by increasing *pollutant* sources; nutrient loading; increasing turbidity; decreasing oxygen; altering temperature regimes; reducing *stream* or *river* flows; altering the wetland's ability to retain or remove nutrients; or by withdrawing water from or near any wetlands. Identify and describe the impacts the proposed *project* may have upon all wetland functions and values as defined herein. Describe the anticipated impacts to the wetland(s) using supporting calculations, data, figures, diagrams, graphs and observations.

f) Soil Erosion and Sediment Control.

(i) Identify and describe all proposed land disturbance activities; current site conditions, including soil conditions and topography; drainage characteristics of the site of the proposed *project*; any critical erosion areas; and all proposed non-structural and structural temporary and permanent erosion and *sediment* control methods. Further, describe how and why such erosion and *sediment* control measures will protect wetland functions and values and meet the review criteria as set forth in Rule 10.05. The written evaluation must include supporting calculations, data, figures, diagrams, graphs and observations.

5) Conclusion: Identify and detail how the *project* meets the review criteria as set forth in Rule 10.05. Describe any measures to reduce impacts which were considered and rejected and indicate why they cannot or should not be employed.

6) Literature Citations: Provide citations for all literature used to support the evaluation.

F. Compliance with Water Quality Regulations. Applicants must comply with the DEM's Water Quality Regulations and standards, where applicable. The applicant must submit a separate application directly to DEM when a Water Quality Certification is required under the DEM Water Quality Regulations.

10.03 Evaluation of Functions, Values and Impacts Completeness Determination

Prior to the public notice of any Application to Alter Freshwater Wetlands, the CRMC will review the application to determine whether or not it is a *completed application* for public notice purposes (See Rule 10.02 B).

A. General Requirements

1) Requests for Preliminary Determination

Applicants submitting a Request for Preliminary Determination are not required to submit a written evaluation as described below in Rule 10.03(B). However, such applicants must, at a minimum, comply with the impact avoidance and minimization requirements set forth in Rule 10.01, and will be subject to review by the CRMC to determine if the proposed project complies with the review criteria as set forth in Rule 11.02.

2) Applications to Alter

All applicants submitting an Application to Alter must submit a written evaluation which, in accordance with those requirements set forth herein, describes those functions and values provided and/or maintained by the subject freshwater wetland, area(s) of land within fifty (50) feet, riverbanks, and/or flood plain; describes and assesses any anticipated impacts to the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plain's functions and values; and describes all structural and/or non-structural best management practices, best available technologies, schedules and management plans which will be employed to eliminate, avoid, and/or reduce impacts to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains to the maximum extent possible. The written evaluation must consider and fully address the review criteria as set forth in Rule 11.02.

B. Written Evaluation Required Elements

The written evaluation must include the following elements: table of contents, introduction, evaluation methodology, qualifications of professional(s) performing the evaluation, identification of regulated freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s), identification of the proposed measures to reduce impact, conclusion, and any literature citations. (See Appendix 6 for content requirements for each of the above listed elements). In addition to the above listed evaluation elements, the written evaluation must also include and fully address the separately identified elements as required below in paragraphs (C), (D), (E), (F), (G), and (H).

C. Wildlife and Wildlife Habitat

In addition to those evaluation elements required above in Rule 10.03(B), the written evaluation must include and address the following:

1) Characteristics

Provide the size of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s), and describe topography, microtopography (i.e., leaf litter, mound and pool, exposed soil, rocks), soils, hydrology, dominant plant communities and vegetation in each stratum (i.e., tree, shrub, and herbaceous layers), or if a pond, special aquatic site or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') of the edge of the subject resource area, and identify the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) which are hydrologically connected to the on-site wetlands, area(s) of land within fifty (50) feet, riverbanks, or flood plains(s) with distances between each provided;

2) Wildlife Indicators

Detail and describe the indications of wildlife use (e.g., direct observation of wildlife or indicators such as burrows, scat, tree cavities, tracks, trails, nests, scrapes, and any other observable signs or vocalizations). Detail those species known to be present or that can be anticipated to use the habitat that is present. Note the presence of wildlife habitat which is likely to be used by game and/or non-game species;

3) Values

Identify and describe the existing and potential ability of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains to provide and/or maintain the functions and values as defined herein relating to wildlife and wildlife habitat; and

4) Proposed Impacts

Identify and describe the physical, chemical and biological impacts, both short term and long-term, to the wildlife habitat associated with the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains resulting from the proposed project which include, but are not limited to: impacts to travel, nesting, feeding, spawning, resting, nursery and/or brood rearing, escape cover, seasonal breeding, migration, and overwintering for resident, seasonal or transient species; impacts to any rare species; impacts to any game or non-game species managed by state or federal fish and game agencies; impacts to wildlife habitat functions and values due to changes associated with lighting, noise, temperature, water quality, air quality, water velocity, flow patterns, water elevations, water temperature, fragmentation of habitat, predator/prey relationships, composition of plant and/or animal communities, intrusion of exotic and/or invasive species; whether the proposed project may result in displacement, reduction or extirpation of any wildlife species; and whether the proposed project will result in any cumulative loss of wildlife habitat, wildlife species or wildlife populations.

D. Recreation and Aesthetics

In addition to those evaluation elements required above in Rule 10.03(B), the written evaluation must include and address the following:

1) Characteristics

Provide the size of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s), and describe topography, soils, hydrology, dominant plant communities and vegetation in each stratum (i.e., tree, shrub, and herbaceous layers), or if a pond or watercourse, the dominant aquatic vegetation; identify and describe any standing or flowing water bodies, water quality, nearby land uses within one hundred and fifty feet (150') from the edge of the subject wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s), and identify the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) which are hydrologically connected to the on-site wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) with distances between each provided. Also, identify and describe the location of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) and the availability of public access and viewing sites;

2) Values

Identify and describe the existing and potential ability of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain to provide and/or maintain the functions and values as defined herein relating to recreation and aesthetics; and

3) Proposed Impacts

Describe the probable individual and cumulative impacts of the proposed project on the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains' recreational and aesthetic values and any potential reduction in the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains' existing or potential ability to provide aesthetic values and active or passive recreational activities to the public. Consider the impacts to: wildlife habitat; rare species; vegetation and plant communities; water quality; water temperature, water velocity, water volume and water elevation; wildlife which can be fished, hunted, trapped, observed, heard, studied, or photographed; open space value; public access and public's view of the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains' prominence as a distinct feature in the local area; the use and enjoyment of watercourses or water bodies within, adjacent to, or nearby the proposed project; and the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains' functions and values as a rare type.

E. Flood Protection

In addition to those evaluation elements required above in Rule 10.03(B), the written evaluation must, where applicable, include and address the following:

1) Drainage Characteristics

Identify and describe the drainage characteristics of the proposed project site, including any areas contributing stormwater runoff to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains; describe the drainage characteristics of any surface water flows within the project site, and/or within any freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains on or off site that may be impacted by the proposed project; and identify and describe the extent of flooding up to and including a 100-year frequency storm flood event. Include a map which delineates the watershed of: the proposed project site; any wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains receiving water from the proposed project site; and any off site wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains which may be impacted by the proposed project.

2) Values

Identify and describe the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein relating to the ability of these areas to temporarily store and/or meter out flood waters from storm events, and to accommodate surface water and drainage through and/or within the wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains under pre project conditions.

3) Analysis of Proposed Impacts

(a) Projects proposing changes in run off towards freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains:

Submit a stormwater analysis for pre and post project runoff rates based upon the 2 year, 10 year, 25 year and 100 year, 24 hour, Type III storm events. The analysis must be performed using acceptable methodology (e.g., U.S. Soil Conservation Service TR 55 or TR 20 as appropriate, or other widely accepted methods). In the event that the stormwater analysis reveals any increase above pre project runoff rates, or any increase in peak flood elevations within receiving waters/wetlands/flood plains, identify and describe the effect such proposed increase may have upon all wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein. Describe the anticipated impacts to the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains using supporting calculations, data, diagrams, graphs, and observations.

(b) Projects proposing changes in drainage characteristics of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains and/or affecting the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains ability to store, meter out, or reduce the damaging effects of flooding and flood flows:

Identify and describe all project components that may decrease the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains flood storage capacity, decrease the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains ability to meter out flood waters, and/or decrease the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains ability to maintain surface flows and natural drainage characteristics. Such project components include, but are not limited to: changes in topography from filling or excavation; changes in vegetative characteristics; additions of buildings or structures; and piping, culverting, bridging, excavating, channelization, relocation, filling, damming or diking. Identify and describe the effects the proposed project may have upon all wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein. Describe the anticipated impacts of all projects using supporting calculations, data, diagrams, figures, graphs and/or observations as appropriate. Such impact evaluation must be supported by a flood flow analysis based

upon the 2-year, 10-year, 25-year and 100-year, 24-hour, Type III storm event for pre- and post-project conditions.

4) Compensation for Loss of Flood Storage

Projects which propose filling and/or placement of structures in a flood plain or area subject to flooding may provide compensatory flood storage in order to comply with the review criteria as set forth in Rule 11.02 by excavation or by permanently eliminating structures which currently displace flood waters; however, compensatory storage may not be proposed beneath or within the confines of any building or structures. Where applicable, compensatory flood storage must be proposed in accordance with the following requirements:

- (a) The volume of compensatory flood storage must be equal to or greater than the volume of flood waters displaced by the proposed project;
- (b) The compensation area must have an unrestricted hydraulic connection to the affected wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains and provide the same rate of flood storage capture and discharge over the course of the flood event as in pre-project conditions;
- (c) Compensatory storage must be located within the same reach of the river or flowing body of water (i.e., between the nearest features controlling the flood water elevations upstream and downstream from the proposed displacement area) as the proposed project involving flood water displacement, and must be located as close to the proposed displacement area as possible;
- (d) Compensatory storage must precede the construction of any portion of the proposed project which displaces flood waters;
- (e) Where the applicant proposes a compensatory storage area on property owned by others, the applicant must submit a written agreement between such landowner and the applicant wherein the landowner agrees to convey an easement or other property interest or right to the applicant allowing compensatory storage, and to permanently maintain such area for flood storage purposes in the event that the CRMC approves the applicant's proposed project; and
- (f) The design must include all features and best management practices to ensure that impacts to other freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values have been mitigated.

F. Groundwater and Surface Water Supplies

In addition to the evaluation elements required above in Rule 10.03(B), the written evaluation must, where applicable, include and address the following:

1) Drainage Characteristics

Identify and describe the existing drainage characteristics, including both surface and groundwater flows, within and to any wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) that may be affected by the proposed project. Identify the pre-project elevation range of the surface and/or groundwater on a seasonal and annual basis in the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s) and in the vicinity of the proposed alteration. Describe the extent to which the surface and/or groundwater levels deviate from long-term ranges and averages. Include a map delineating the watershed of: the proposed project site; any wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains receiving water from the proposed project site; and any off-site wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains which may be impacted by the proposed project.

2) Functions and Values

Identify and describe the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein relating to surface water and/or groundwater supplies.

3) Proposed Impacts

Identify and describe all proposed project components and activities that may directly or indirectly divert, reduce or contain surface and/or groundwater flow to, away from, or within any wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains(s), including a description of the volumes of water which may be diverted, reduced or contained, and the rate and duration of such diversion, reduction or containment. Identify and describe the effects the proposed project may have upon all wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values. Describe the anticipated impacts to the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains using supporting calculations, data, figures, diagrams, graphs and observations as appropriate.

G. Water Quality

In addition to the evaluation elements required above in Rule 10.03(B), the written evaluation must, where applicable, include and address the following:

1) Drainage Characteristics

Identify and describe the existing drainage characteristics of the proposed project area, including any on or off site wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains that may be impacted by the proposed project.

2) Functions and Values

Identify and describe the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein relating to water quality; and describe the present water quality classification of any water body as set forth in the most recent edition of the Rhode Island Department of Environmental Management 3.05(b) Report, State of the State's Waters. Include a description of the water quality conditions of all freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains within the project area, as well as any off site wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains that may be affected by the proposed project.

3) Water Quality Analysis

Submit a water quality analysis which:

(a) Calculates the quantities of pollutants in stormwater runoff for both pre and post project conditions by utilizing the most recent edition of Rhode Island's Stormwater Design and Installation Standards Manual or by another widely accepted method. If the methods used incorporate the best available technology, but are different from those in the manual or deviate from its guidelines, the applicant must describe why they were used and submit and document all data, calculations, and methods used. The acceptance of these alternative methods is subject to CRMC approval; and

(b) Calculates the pollutant concentrations or loadings from land uses or pollutant sources other than stormwater run-off, including, but not limited to, fertilizers, herbicides, pesticides, or any other chemical or organic matter for both pre and post project conditions by utilizing the best available technology. The acceptance of the method utilized for such calculations is subject to CRMC approval.

4) Proposed Impacts

Identify and describe all proposed project components and activities that may result in any degradation of water quality associated with freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains by increasing pollutant sources; nutrient loading; increasing turbidity; decreasing oxygen; altering temperature regimes; reducing stream or river flows; altering the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains's ability to retain or remove nutrients; or by withdrawing water from or near any wetlands, area(s) of land within fifty (50) feet, riverbanks, and/or flood plains. Identify and describe the effects the proposed project may have upon all wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as defined herein. Describe the anticipated impacts to the wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains using supporting calculations, data, figures, diagrams, graphs and observations.

H. Soil Erosion and Sediment Control

The written evaluation must identify and describe all proposed land disturbance activities; existing site conditions, including soil conditions and topography; drainage characteristics of the proposed project site; any critical erosion areas; and all proposed non-structural and structural temporary and permanent erosion and sediment control methods. Further, describe how and why such erosion and sediment control measures will protect wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values and meet the review criteria as set forth in Rule 11.02. The written evaluation must include supporting calculations, data, figures, diagrams, graphs and observations. (See Appendix 6 for proposed measures to reduce impact).

10.04 Public Notice and Participation – Public Hearings

A. Public Notice: An Application to Alter a Freshwater Wetland shall be publicly noticed in accordance with the CRMC’s Management Procedures. The public notice period shall commence upon the day of mailing of the notice and end thirty (30) days thereafter. Notice of the application shall be made by first class mail. The CRMC will rely upon those names and addresses provided by the applicant to notify abutting property owners and the applicant must ensure that the list of abutters is current and accurate at the time of application filing.

B. Content

1) Notice for Public Comment:

- a) The notice shall include the name of the applicant seeking permission to *alter*, the applicant’s address, the purpose of the *project* as described by the site plans, the wetland area(s) to be altered, the proposed *alterations*, and a reduced set of site plans provided by the applicant.
- b) The CRMC shall furnish the notice, one full-size copy of the site plans, and a copy of one completed application form as provided by the applicant to the city or town council and the city or town clerk within whose borders the *project* is proposed. The CRMC shall request that the city or town clerk maintain the notice, site plans and application within that office for public viewing during the thirty (30) day notice period.

2) Public Notice – Disclaimer: Notice of the application is not a notice of approval or any intent by the CRMC to approve or *permit* the *project*.

3) Review During Public Notice: The CRMC will not make a decision on an application as to whether any wetland *alteration* is *random*, *unnecessary*, or *undesirable* during the public notice period.

C. Public Comments

1) Comments filed with the CRMC will be considered and reviewed if they are in writing, are legible, contain a discernable name and address of the objector, are signed and are received during the notice period. The commenter must identify the application number noted in the public notice or must otherwise identify or reference the *project* about which they are objecting. The CRMC will not consider or review comments to *projects* which do not contain sufficient information to properly relate the objection to a specific application.

2) A comment will be considered timely filed if received within the thirty (30) day public comment period. If the last day of the notice period ends on a weekend or holiday, the end of the public notice period will be extended through the next working day.

3) The CRMC shall determine whether a comment is an objection of a substantive nature pursuant

to Section 110.3 of the RICRMP. All comments received by the CRMC will remain part of the application file.

- 4) If a comment is determined to be a substantive objection, the applicant will be notified of the scheduling of a public hearing in writing and may be subject to a fee pursuant to the CRMC Management Procedures.
- 5) An objector may withdraw, in writing, his or her objection any time prior to the scheduling of a public hearing. The CRMC will notify the applicant if any substantive objection is withdrawn. If all substantive objections are withdrawn in sufficient time to prevent the notice of a public hearing, the public hearing will not be held, and the CRMC will proceed with a decision on the application.
- 6) In cases where the city or town council of a municipality in which a project or activity is proposed files a substantive objection to the proposed project or activity, the Council may establish a subcommittee to review the application. The subcommittee shall make a recommendation to the full Council based upon the application, staff reports, municipal concerns and any public comments received. The Council shall then consider and act upon the application.

D. Public Hearings

- 1) When necessary, the CRMC will hold public hearings on proposed alterations to wetlands when a request for such hearing is made in accordance with Rule 10.04(C)(4) and the CRMC Management Procedures. The purpose of such hearings shall be to elicit comments from the public regarding the impact of the proposed alteration on the functions and values provided by the subject wetland.
- 2) Public hearings will be held at a time and place designated by the CRMC.

10.05 Review Criteria

- A. The CRMC will evaluate all projects to determine the extent to which the proposed project will have an impact, either individually or cumulatively, upon wetland functions or values as described in this Rule.
- B. All such projects shall:
 - 1) Be subject to all of the review criteria contained herein and must incorporate those best management practices, best available technologies, and any maintenance or inspection schedules necessary to comply with the applicable criteria;
 - 2) Not adversely affect any wetland so as to cause any of the impacts identified in Rule 10.05 (C) below; and
 - 3) Shall not result in any random, unnecessary or undesirable alteration of freshwater wetland.
- C. Before issuing a permit, the CRMC must be satisfied that a proposed project or alteration will not result in:
 - 1) Significant reduction in the overall wildlife production or diversity of a wetland;
 - 2) Significant reduction in the ability of a wetland to satisfy the needs of a particular wildlife

species;

- 3) Significant displacement or extirpation of any *wildlife* species from a wetland or surrounding areas due to the *alteration* of the wetland;
- 4) Any reduction in the ability of the wetland to ensure the long-term viability of any *rare* animal or *rare* plant species;
- 5) Any degradation in the natural characteristic(s) of any *rare* wetland type;
- 6) Significant reduction in the suitability of any wetland for use by any resident, migratory, seasonal, transient, *facultative*, or *obligate wildlife species*, in either the short- or long-term as a travel corridor; feeding site; resting site; nesting site; escape cover; seasonal breeding or spawning area;
- 7) Any more than a minimal intrusion of, or increase in, less valuable, invasive or exotic plant or animal species in a wetland;
- 8) Significant reduction in the *wildlife habitat* functions and values of any wetland which could disrupt the management program for any game or non-game *wildlife* species carried out by state or federal fish, game, or *wildlife* agencies;
- 9) Significant reduction in overall current or potential ability of a wetland to provide active or passive *recreational activities* to the public;
- 10) Significant disruption of any on-going scientific studies or observations;
- 11) Elimination of, or severe limitation to traditional human access to, along the bank of, up or down, or through any *rivers, streams, ponds*, or other *freshwater wetlands*;
- 12) Any reduction in water quality functions and values or negative impacts to natural water quality characteristics, either in the short- or long-term, by modifying or changing: water elevations, temperature regimes, volumes, velocity of flow regimes of water; increasing turbidity; decreasing oxygen; causing any form of *pollution*; or modifying the amount of flow of nutrients so as to negatively impact wetland functions and values;
- 13) Any placement of any matter or material beneath *surface water* elevations or erection of any barriers within any *ponds* or flowing bodies of water which could cause any hazards to safety;
- 14) Significant loss of important open space or significant modification of any uncommon geologic or archaeological features;
- 15) Significant modification to the natural characteristics of any wetland area of unusually high visual quality;
- 16) Any decrease in the flood storage capacity of any *freshwater wetland* which could impair the wetland's ability to protect life or property from flooding or flood flows;
- 17) Significant reduction of the rate at which flood water is stored by any *freshwater wetland* during any flood event;
- 18) Restriction or significant modification of the path or velocities of flood flows for the 1-year, 10-year, or 100-year frequency, 24-hour, Type III storm events so as to cause harm to life, property, or

other functions and values provided by freshwater wetlands;

- 19) Placement of any structure or obstruction within a floodway so as to cause harm to life, property, or other functions and values provided by freshwater wetlands;
- 20) Any increase in run-off rates over pre-project levels or any increase in receiving water/wetlands peak flood elevations for the 1-year, 10-year, or 100-year frequency, 24-hour, Type III storm events which could impair the wetland's ability to protect life or property from flooding or flood flows;
- 21) Any increase in run-off volumes and discharge rates which could, in any way, exacerbate flooding conditions in flood-prone areas;
- 22) Significant changes in the quantities and flow rates of surface or groundwater to or from isolated wetlands (e.g., those wetlands without inflow or outflow channels);
- 23) Placement of any structural best management practices within wetlands, or proposal to utilize wetlands as a detention or retention facility;
- 24) Any more than a short-term decrease in surface water or groundwater elevations within any wetland;
- 25) Non-compliance with the Rhode Island Department of Environmental Management Water Quality Regulations; or
- 26) Any detrimental modification of the wetland's ability to retain or remove nutrients or act as natural pollution filter.

10.06 Decision on Application to Alter Freshwater Wetlands

A. The CRMC shall notify applicants, the applicant's attorney or other designated representative, if any, by first class mail.

10.07 Permit Requirements and Conditions

- A. Conditions and terms of the Assent may require modification of portions of the project, as described by plans provided by the applicant.
- B. Plans referenced within the Assent letter shall be stamped "approved with conditions" by the CRMC and shall contain the application number, date of the Assent letter, and signature of an authorized agent of the CRMC.
- C. A copy of the Assent, the Assent letter and one set of the approved site plans must be maintained at the project site at all times during construction and up to the time of project completion. Prior to commencement of site alterations, the permittee shall post the Assent which must be maintained at the site in a conspicuous location until such time that the project is complete.
- D. When required by permit condition, the Assent shall be recorded at the expense of the owner, in the land evidence records of the city or town where the subject property is located. The applicant must submit written documentation to the CRMC from the city or town showing that the Assent was

received for recording immediately upon recordation.

- E. Unless otherwise ordered by the CRMC or renewal of a *permit* is obtained, or tolled pursuant to R.I.G.L. § 46-23-6.3, all *permits* are limited to a period of three (3) years from the date of issue and shall expire thereafter. Pursuant to R.I.G.L. § 46-23-6.3, permits pertaining to the development of land that were in effect on November 9, 2009 shall be valid an additional 598 days after the three (3) year period established above and those permits pertaining to the development of land issued between November 9, 2009 and June 30, 2011 shall be valid until July 1, 2012.
- F. Assent extensions shall be subject to the provisions of the CRMC's Management Procedures.
- G. The original permittee or subsequent transferee is required to notify the CRMC in writing prior to the commencement of the work described or referenced in the *permit*.
- H. The CRMC may require the permittee or subsequent transferee to provide written certification from the appropriate regulated professional attesting to the completion of the approved *project* that is described or referenced in the *permit* or on the approved site plans.

10.08 Compliance

Any non-compliance with a permit *term* or *condition* or these *Rules* represents a violation of the permit, the *Act* and these *Rules* and constitutes grounds for enforcement action by the CRMC.

10.09 Appeal of Decisions

Any appeal of a CRMC decision shall be conducted in accordance with the CRMC's Management Procedures.

10.10 (Deleted – Not Applicable)

10.11 Closing of an Application

An Application to Alter Freshwater Wetlands shall be considered closed under the following circumstances:

- 1) The applicant fails to answer any notification of application deficiency or any request for additional information by the CRMC within a prescribed timeframe.
- 2) A decision of the Council is issued and an appeal of the decision is not filed within thirty (30) days;
- 3) Upon receipt of notification from the applicant that the application has been withdrawn in accordance with these rules and the CRMC's Management Procedures.

Rule 11.00 - ~~Review Criteria~~Other Application Types

11.01 ~~General Requirements~~Application for Emergency Alterations

- A. All proposed projects which may alter the natural character of freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains and their functions and values are subject to the review criteria contained herein. If the CRMC determines that a project submitted as a Request for

~~Preliminary Determination does not comply with the impact avoidance and minimization requirements set forth in Rule 10.01 and/or does not comply with the review criteria contained herein, the CRMC may determine that the project represents a significant alteration to freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains. If the CRMC determines that a project submitted as an Application to Alter does not comply with the impact avoidance and minimization requirements set forth in Rule 10.01 and/or does not comply with the review criteria contained herein, the CRMC may deny approval for the project.~~

- ~~B. All projects proposing activities which may alter the natural character of freshwater wetlands, the area of land within fifty feet (50'), river banks, and flood plains shall not adversely affect the ability of any wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains to provide and/or maintain those freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains functions and values as identified in Rule 10.02. All applicants proposing such projects must incorporate those best management practices, best available technologies and any maintenance and/or inspection schedules necessary to comply with the review criteria contained herein.~~

An emergency *alteration* is one that is required to protect the public from imminent harm to its health or safety; and is authorized by the CRMC. Oral approval of an emergency *alteration*, other than those *alterations* specified in Rule 6.00, may be granted by the CRMC consistent with the requirements set forth below. Applicants who are not considered an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety should contact the CRMC for consideration of individual emergency situations.

- A. An oral or written request for permission to proceed with an emergency *alteration* must be made to the CRMC, by the owner of the property or easement where the emergency *alteration* is proposed or by an appropriate official of a town, city, state or federal agency or public utility responsible for correcting problems which arise on an emergency basis and pose an imminent threat to the public health and safety;
- B. The request must inform the CRMC of at least the following:
- 1) An explanation of the problem necessitating an emergency *alteration*;
 - 2) The reason why the problem represents an imminent threat to health and safety;
 - 3) The location of the area in which corrective activity is required;
 - 4) The proposed actions necessary to correct the problems;
 - 5) The *person* responsible for overseeing the activity, including immediate means of contact; and
 - 6) The means proposed to restore the wetland area following the emergency *alteration*, as appropriate.
- C. Any emergency *alteration* undertaken shall not result in a permanent *alteration* of any wetland, except as allowed for *dam* safety as approved by the DEM in accordance with the DEM's *Rules and Regulations for Dam Safety*. The applicant must, in so far as possible, restore the wetland area to prevent or minimize any permanent *alteration*. Such *restoration* must be undertaken in accordance with requirements provided by the CRMC;
- D. *Alteration* of wetlands shall not exceed work beyond that necessary to abate the emergency;
- E. Unless otherwise informed by the CRMC following its inspection of the site, the applicant must submit an as-built site plan or a plan of *restoration* to the CRMC no later than forty-five (45) days following the action necessary to correct the emergency problem. The site plan must illustrate the

emergency activity undertaken, the wetlands affected, any *alteration* which resulted from the activity, and all *restoration* activities undertaken, or which are still required. The required site plan must comply with Rule 7.03;

- F. The time limitation for performance of an emergency *alteration* shall not exceed ten (10) days following initial approval by the CRMC unless written approval for an extension is obtained from the CRMC; and
- G. Following submission of the as-built site plan required in subsection E above, the applicant is required to comply with any additional activities necessary to prevent any permanent *alteration* or to finalize wetland *restoration* as detailed in writing by the CRMC.

11.02 Review Criteria Permit Extensions

Permits may be extended by the CRMC upon written request by the permittee subject to the provisions specified in Section 5.12 of the CRMC Management Procedures.

~~Before issuing a permit, the CRMC must be satisfied that a proposed project will not result in:~~

- ~~1) Significant reduction in the overall wildlife production and/or diversity of a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;~~
- ~~2) Significant reduction in the ability of a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain to satisfy the needs of a particular wildlife species;~~
- ~~3) Significant displacement or extirpation of any wildlife species from a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain or surrounding areas due to the alteration of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;~~
- ~~4) Any reduction in the ability of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain to ensure the long term viability of any rare animal or rare plant species;~~
- ~~5) Any degradation in the natural characteristic(s) of any rare wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain type;~~
- ~~6) Significant reduction in the suitability of any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain for use by any resident, migratory, seasonal, transient, facultative, or obligate wildlife species, in either the short or long term as a travel corridor; feeding site; resting site; nesting site; escape cover; seasonal breeding and/or spawning area;~~
- ~~7) Any more than a minimal intrusion of, or increase in, less valuable, invasive and/or exotic plant or animal species in a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;~~
- ~~8) Significant reduction in the wildlife habitat functions and values of any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain which could disrupt the management program for any game or non-game wildlife species carried out by state or federal fish, game, or wildlife agencies;~~
- ~~9) Significant reduction in overall existing or potential ability of a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain to provide active or passive recreational activities to the public;~~
- ~~10) Significant disruption of any on-going scientific studies or observations;~~
- ~~11) Elimination of, or severe limitation to traditional human access to, along the bank of, up and/or down, or through any rivers, streams, ponds, or other freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains;~~
- ~~12) Any reduction in water quality functions and values or negative impacts to natural water quality characteristics, either in the short or long term, by modifying or changing: water elevations, temperature regimes, volumes, velocity of flow regimes of water; increasing turbidity; decreasing oxygen; causing any form of pollution; or modifying the amount of flow of nutrients so as to negatively impact wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values;~~
- ~~13) Any placement of any matter or material beneath surface water elevations or erection of any barriers within any ponds or flowing bodies of water which could cause any hazards to safety;~~

- 14) Significant loss of important open space or significant modification of any uncommon geologic or archaeological features;
- 15) Significant modification to the natural characteristics of any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain area of unusually high visual quality;
- 16) Any decrease in the flood storage capacity of any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain which could impair the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain's ability to protect life and/or property from flooding and/or flood flows;
- 17) Significant reduction of the rate at which flood water is stored by any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain during any flood event;
- 18) Restriction or significant modification of the path and/or velocities of flood flows for the 2-year, 10-year, 25-year, or 100-year frequency, 24-hour, Type III storm events so as to cause harm to life, property, or other functions and values provided by freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains;
- 19) Placement of any structure or obstruction within a floodway so as to cause harm to life, property, or other functions and values provided by freshwater wetlands, area(s) of land within fifty (50) feet, riverbanks, and flood plains;
- 20) Any increase in run-off rates over pre-project levels or any increase in receiving water/wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains peak flood elevations for the 2-year, 10-year, 25-year, or 100-year frequency, 24-hour, Type III storm events which could impair the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain's ability to protect life and/or property from flooding and/or flood flows;
- 21) Any increase in run-off volumes and discharge rates which could, in any way, exacerbate flooding conditions in flood-prone areas;
- 22) Significant changes in the quantities and discharge rates of surface and/or groundwater to or from isolated wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains (e.g., those wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains without inlets or outlets);
- 23) Placement of any structural best management practices within wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains, or proposal to utilize wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains as a detention or retention facility;
- 24) Any more than a short-term decrease in surface water and/or groundwater elevations within any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;
- 25) Non-compliance with the Rhode Island Department of Environmental Management Water Quality Regulations for Water Pollution Control; and/or
- 26) Any detrimental modification of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain's ability to retain and/or remove nutrients or act as natural pollution filter.

11.03 Application for Permit Modification

- A. Prior to the expiration of a valid *permit*, a permittee may apply to the CRMC requesting approval to incorporate minor modification(s) to the originally permitted *project*. Such modification(s) in all cases may not increase the limits of wetland disturbance previously permitted unless such increases occur in *existing* paved, lawn, or otherwise developed areas, or increase the anticipated impacts from that previously permitted by the CRMC. Any modifications must be minor in nature in relation to the originally permitted *project*.
- B. The application shall be made on a form prescribed by the CRMC and must be completed and submitted with revised plans for the CRMC's review including the appropriate fee. The revised plans submitted with the application shall clearly depict the proposed modification and shall comply with all requirements stipulated in the original application and with these *Rules*. (See site plan requirements in Rule 7.03).

- C. In addition to revised plans and appropriate fee, the permittee must submit a written narrative and any additional data which describes and details the minor changes or modification proposed and the reasons for the modification.
- D. An Application for Permit Modification will not be approved if, in the opinion of the CRMC, the modification(s): are not minor in nature in relation to the originally permitted *project*; involve increases of wetland disturbance into vegetated areas not previously evaluated by the CRMC; or increase the anticipated impacts from that previously permitted by the CRMC.
- E. Following receipt of an Application for Permit Modification, the CRMC may:
 - 1) Issue a revised *permit* for the modified *project*; or
 - 2) Inform the applicant that the modifications requested require a new application.
- F. The filing of this application shall not stay or modify any time limitation or condition of the *permit*.

11.04 Application for Permit Transfer

- A. Any valid *permit* issued by the CRMC that has been recorded in the land evidence records of the municipality or municipalities in which the property subject to the permit is located is automatically transferred upon the sale of the property to the new owner.
- B. A new owner may complete and submit an Application for Permit Transfer to receive a *permit* in the new owner's name provided that the following information is submitted:
 - 1) A certified copy of the deed of transfer of the property subject to the *permit*;
 - 2) A notarized statement signed by the new owner or authorized individual as required stating that he or she has reviewed the approved plan, the *permit* letter, and agrees to abide by the conditions of the *permit*, including the time limits; and
 - 3) A completed application form (Rule 7.01) and the application fee (Rule 7.11).
- C. The filing of this application shall not stay or modify any time limitation or condition of the *permit*.

11.05 Applications Relating to Farmers

- A. Applications relating to wetland *alterations* by *farmers*, except in accordance with Rule 11.05 (E) below, must be submitted by the *farmer* directly to the *DEM's* Division of Agriculture and Resource Marketing. The Division of Agriculture and Resource Marketing requires documentation that the activity undertaken is in accordance with the definitions set forth in Sections 2-1-22(i) and (ii) of the *Act*.
- B. Applications shall be in writing and on a form prescribed by the Division of Agriculture and Resource Marketing.
- C. The *farmer* shall include appropriate plans and drawings to a scale of not less than one inch to one hundred feet (1" = 100') with the application. The Division of Agriculture and Resources Marketing requires that submitted plans, designs and drawings are in accordance with standards set by the United States Department of Agriculture, Natural Resources Conservation Service or these *Rules*.

D. The Division of Agriculture and Resource Marketing shall review such applications in conformance with Section 2-1-22(i) of the Act. Pursuant to this review, the Division of Agriculture and Resource Marketing shall notify the applicant and the CRMC, in writing, whether the proposal is an insignificant alteration. If so, the applicant will be issued a permit by the Division of Agriculture and Resource Marketing.

E. If the proposal is a significant alteration, the applicant must submit an Application to Alter a Freshwater Wetland to the CRMC consistent with these Rules.

Rule 12.00 - Requirements Regarding Professionals Enforcement

12.01 General Enforcement

As set forth in R.I.G.L. §§ 46-23-7 through 46-23-7.5, the CRMC shall have the power to issue enforcement notices, orders and/or requirements to ensure compliance with these Rules.

- A. It is the responsibility of the applicant, or the respondent in matters concerning enforcement actions, to engage or employ any and all qualified professionals necessary to comply with these Rules.
- B. Where required by state law, all plans, specifications and documents must be prepared by the appropriate licensed professional(s). Such licensed professionals shall affix their stamp, signature and date of signing upon those plans, specifications and/or documents, or portions thereof, for which they are responsible.
- C. Professionals utilized to identify and delineate freshwater wetland edges which are predominantly characterized by the presence of wetland vegetation in conjunction with hydrologic characteristics should have the educational background and experience necessary to accurately delineate such wetlands. The CRMC maintains guidelines describing minimum qualifications for professionals that delineate such wetlands. These guidelines are available upon request.
- D. Professionals utilized to evaluate freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions, values, and impacts thereto should have the educational background and experience necessary to competently comply with the requirements of these Rules. The CRMC maintains guidelines describing minimum qualifications for professionals involved in evaluations related to wildlife and wildlife habitat. These guidelines are available upon request.
- E. Professionals who have completed assessments, evaluations, recommendations, or reports on behalf of an applicant or respondent in matters concerning enforcement must document their participation in such matters.

12.02 Revocation of Permit

The CRMC may revoke permit for noncompliance with or violation of its terms after written notice of intention to do so has been given the holder, and the holder, in return, has been given the opportunity to present evidence to the contrary to the CRMC. Financial hardship on the part of the holder shall not be a defense to the revocation of a permit. The CRMC may also revoke a permit if it finds that the holder or his agent submitted relevant false information to the CRMC.

12.03 Appeal of Enforcement Actions

Appeals of any CRMC enforcement action shall be in accordance with R.I.G.L. § 46-23.

12.04 Consent Agreements

- A. In resolution of a contested enforcement action, the CRMC and alleged violator may enter into negotiated settlement discussions. The purpose of such discussions will be to formulate an acceptable resolution of the enforcement action by a Consent Agreement executed by all parties.
- B. As a result of negotiated settlement discussions, a Consent Agreement may be executed by the parties addressing the disposition of any orders raised in the enforcement action.
- C. A Consent Agreement executed by the parties involved is deemed a final order of the CRMC and is enforceable by resort to Superior Court.

Rule 13.00 - ~~Identification And Delineation of Freshwater Wetlands~~Public Access to Records

13.01 Information, forms, or other materials related to the Act, these Rules, and actions taken are available at the CRMC. Office hours are 8:30 a.m. to 4:00 p.m. daily except Saturdays, Sundays, and state holidays. As appropriate, an appointment during office hours may be scheduled in advance. **General**

- A. ~~For purposes of review by the CRMC, the edge of freshwater wetlands shall be identified by a qualified professional as specified in Rule 12.00, and shall be delineated in accordance with the specifications set forth in Appendix 4. All wetland edge delineations submitted to the CRMC for its review must be fully supported by written documentation.~~
- B. ~~Any delineation or identification of freshwater wetlands in the vicinity of the coast, area(s) of land within fifty (50) feet, riverbanks, and flood plains completed by a person other than the Director or his/her duly authorized agent shall be valid only after review and written approval by the CRMC in accordance with the procedures outlined in Appendix 4.~~
- C. ~~The delineation or identification of a wetland, area(s) of land within fifty (50) feet, riverbanks, and flood plains is not an assessment of function or value. The functions and values of a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain shall be assessed in a manner consistent with Rule 10.00 et seq.~~

13.02 Access to records on file shall be in accordance with Section 38-2 of the R.I.G.L. A fee shall be required to cover the costs of copying, and may be required to cover the costs of search and retrieval of documents.

Rule 14.00 - ~~Site Plan Requirements~~Severability

If any provision of these Rules or the application thereof to any person or circumstances is held invalid by a court of competent jurisdiction, the validity of the remainder of the Rules shall not be affected thereby.

~~**14.01** Site plans must be designed in accordance with the specifications set forth in Appendix 5, and/or any specifications incorporated within the applicable application package requirements. The CRMC may reject any site plan which does not comply with all applicable requirements.~~

Rule 15.00 - ~~Enforcement Actions~~Superseded Rules

On the effective date of these Rules, all previous rules, and any policies regarding the administration and enforcement of the Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast shall be superseded. However, any enforcement action taken by, or application submitted to, the CRMC prior to the effective date of these Rules shall be governed by the rules in effect at the time the enforcement action was taken, or application filed.

15.01 **General**

As set forth in R.I.G.L. Section 46-23-7 through 46-23-7.5, the CRMC shall have the power to issue enforcement notices, orders and/or requirements to ensure compliance with these Rules.

~~15.02~~ — not applicable

~~15.03~~ — not applicable

~~15.04~~ — not applicable

~~15.05~~ — not applicable

~~15.06~~ — not applicable

~~15.07~~ — not applicable

~~15.08~~ — not applicable

~~15.09~~ — Notice of Revocation/Suspension of a Determination or Permit

~~The CRMC may revoke permit for noncompliance with or violation of its terms after written notice of intention to do so has been given the holder, and the holder, in return, has been given the opportunity to present evidence to the contrary to the CRMC. Financial hardship on the part of the holder shall not be a defense to the revocation of a permit. The CRMC may also revoke a permit if it finds that the holder or his agent submitted relevant false information to the CRMC.~~

~~A. D. — not applicable~~

~~15.10~~ — Appeal of Enforcement Actions; Request for Preliminary Hearing; Summary Suspensions

~~Appeals of any CRMC enforcement action shall be in accordance with R.I.G.L. 46-23.~~

~~A. C. — not applicable~~

~~15.11~~ — Negotiated Settlements — Consent Agreements

~~A. In resolution of a contested enforcement action, the CRMC and alleged violator may enter into negotiated settlement discussions. The purpose of such discussions will be to formulate an acceptable resolution of the enforcement action by a Consent Agreement executed by all parties.~~

~~B. As a result of negotiated settlement discussions, a Consent Agreement may be executed by the parties addressing the disposition of any orders raised in the enforcement action.~~

~~C. A Consent Agreement executed by the parties involved is deemed a final order of the Director and is enforceable by resort to Superior Court.~~

Rule 16.00 - Public Access to Records Effective Date

The foregoing Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast, after due notice, are hereby adopted and filed with the Secretary of State this day of _____ 2010 to become effective twenty (20) days thereafter, in accordance with the provisions of Chapter 46-23 of the General Laws of Rhode Island, 1956, as amended.~~16.01~~ Information, forms, or other materials related to the Act, these Rules, and actions taken are available at the CRMC. Office hours are 8:30 a.m. to 4:00 p.m. daily except Saturdays, Sundays, and state holidays. As appropriate, an appointment during office hours may be scheduled in advance.

~~16.02~~ — Access to records on file shall be in accordance with Section 38-2 of the R.I.G.L. A fee shall be required to cover the costs of copying, and may be required to cover the costs of search and retrieval of documents.

Rule 17.00. Severability

~~17.01~~ If any provision of these Rules and Regulations or the application thereof to any person or circumstances is held invalid by a court of competent jurisdiction, the remainder of the Rules and Regulations shall not be affected thereby.

~~Rule 18.00 – Superseded Rules and Regulations~~

~~18.01~~ Not Applicable

~~Rule 19.00 – Effective Date~~

~~19.01~~ The foregoing Rules and Regulations, after due notice, are hereby adopted and filed with the Secretary of State this _____ day of _____, 1999 to become effective twenty (20) days thereafter, in accordance with the provisions of Chapter 46-23 of the General Laws of Rhode Island, 1956, as amended.

Grover J. Fugate, Executive Director
Coastal Resources Management Council

Notice given on

Effective

Appendix 1: Insignificant Alterations

- A. In accordance with Rule 9.03, the ~~Director~~ CRMC may issue a permit for proposed projects submitted under a Request for Preliminary Determination Application provided the proposed project represents, in the opinion of the ~~Director~~ CRMC, an insignificant alteration. The purpose of this section of the Appendix is to allow applicants and the public to determine with some likelihood what, under normal circumstances, represents an insignificant alteration.
- B. The following represent examples of insignificant alterations. However, the applicant should be aware that certain circumstances peculiar to specific wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains,~~ the surrounding area, site conditions, and the proposed project, may result in a determination by the ~~Director~~ CRMC that a particular proposal represents a significant alteration and therefore requires filing of an Application to Alter and a permit from the ~~Director~~ CRMC. Therefore, even if a proposed project appears to fit within the examples of insignificant alterations in this Appendix, a permit by the CRMC is not implied or guaranteed. In addition, the proponent of a proposed project that fits or appears to fit within the examples of insignificant alterations still must seek a permit from the CRMC through a Request for Preliminary Determination Application before proceeding with the proposed project. Further, the proposed project must not result in the disturbance or destruction of any rare species or rare wetland type.
- C. Examples of insignificant alterations include the following:
- 1) Construction and installation of a single new dock or single detached floats (excluding those regulated under section 300.4 of the RICRMP) only where:
 - (a) The dock is supported by floats or piles, extends perpendicular to the shoreline out to, but not exceeding, twenty feet (20'), and does not exceed six feet (6') in width;
 - (b) The float does not exceed one hundred and twenty (120) square feet in area;
 - (c) The installation and placement of the dock or float poses no hazard to boating safety or navigation in any body of water including any pond, river, or stream;
 - (d) The dock or float is placed no closer than twenty feet (20') to any neighboring property line on land or superficially extending over the waterbody;
 - (e) Any new access paths to the dock do not exceed five feet (5') in width, and do not result in fill, road construction, or any other clearing of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains for access;
 - (f) The dock does not extend into or obstruct a floodway; and
 - (g) Pilings and/or posts permit reasonably unobstructed flow of water.
 - 2) Minor revisions to residential or small lot commercial or industrial projects already approved by the CRMC only where:
 - (a) The revised alterations do not expand the area of disturbance any further into wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains so as to negatively affect functions and values; and
 - (b) Compensation for loss in flood storage volume is maintained as approved.

Such projects may include the revised location or configuration of structures, the minor relocation of ~~individual sewage disposal~~ onsite wastewater treatment systems (consistent with Rule 11.02), walls, utility lines, or grade changes.

- 3) Construction and development activities that are not exempt pursuant to Rules 6.05 and 6.06 and are within wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain areas~~ already developed for human activity only where:
 - (a) The area for proposed construction is now occupied by approved or *existing* buildings, parking or paved area, equipment storage, or materials storage;
 - (b) The construction and development does not propose to expand into wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~ which would result in negative effects on wetland, ~~area(s) of land within fifty (50') feet, riverbank, and flood plain~~ functions and values; and
 - (c) The applicant complies with all requirements in these Rules associated with changes in runoff, water quality, and flood storage.

In such projects where a more intensive use of the property is proposed which would result in increases in the level or duration of noise, lighting or other activities which could impact wildlife in adjacent natural wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~, a well-designed buffer zone must be incorporated into the proposed project design and placed between the project and any remaining undeveloped wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain~~.

- 4) Minor excavated pond construction (less than one-quarter (1/4) acre for new ponds and re-excavation for existing ponds) only where:
 - (a) The pond is located mostly adjacent to, or only partially in, any swamp, marsh, or other emergent, shrub or forested wetland;
 - (b) All spoils from excavation are removed to an upland location away from all wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~;
 - (c) The construction or re-excavation does not result in the diversion, damming, or diking of any type of watercourse other than surface seepage from groundwater discharges;
 - (d) Re-excavation of an area less than 2,500 square feet of *existing pond* is accomplished for maintenance purposes to remove accumulated inorganic *sediments* or concentrated areas of problem emergents or aquatic weeds such as tall reed (*Phragmites australis*) or purple loosestrife (*Lythrum salicaria*). The excavation must be limited to concentrated problem areas and must incorporate all proper controls to protect the adjacent wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain~~ environment; and
 - (e) The activity does not result in the loss of the only natural vegetated area adjacent to a swamp, marsh, or other emergent, shrub or forested wetland.

Such projects must either incorporate the use of a well-designed buffer zone to minimize impacts to wildlife, or be sufficiently away from human activity so as to minimize interaction between humans and wildlife.

- 5) New construction and development of residential homes, commercial or industrial buildings and subdivisions incorporating such construction only where:
 - (a) The construction and all associated activity is proposed outside of all wetlands, ~~area(s) of land within fifty (50) feet, riverbanks, and flood plains~~ (including perimeter and riverbank wetlands);
 - (b) The project is designed to meet or exceed, and the applicant's registered professional engineer certifies that the project will meet or exceed, all best management practices to prevent the alteration of freshwater wetland, ~~area(s) of land within fifty (50) feet,~~

~~riverbank, and flood plain~~ functions and values due to changes in run-off/stormwater flows, water quality, flood storage, and erosion and sedimentation. Best management practices in this case must, at a minimum, address the requirements and recommendations specified in the latest edition of the Rhode Island Stormwater Design and Installation Standards Manual and the Rhode Island Soil Erosion and Sediment Control Handbook.

- (c) The project design ensures the protection of all wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain~~ functions and values (*e.g.*, the design does not propose a building or structure at the edge of wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~ without considering the extent of clearing, grading and soil disturbance which may be necessary for equipment access, safety and other normal construction activity and human use needs).
- 6) Utility line or pipe installation where:
- (a) The installation of the line or pipe is taking place within an *existing* maintained (cut/cleared) *utility* easement which already contains *utility* lines or pipes;
 - (b) Wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~ existing in the maintained (cut/cleared) *existing utility* easement are only temporarily altered to install the line or pipe;
 - (c) ~~Existing~~ Culverts and the flow of water under bridges in roads or highways are not permanently blocked or disrupted by going under or attaching to such structure;
 - (d) The *project* does not cause any diversion of ground or *surface water* to or from any wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~;
 - (e) The preconstruction contours are restored immediately upon installation;
 - (f) All work in any wetlands, ~~area(s) of land within fifty (50) feet, riverbank, and flood plains~~ in the easement is undertaken during *low flow periods*;
 - (g) All disturbed areas are revegetated after restoring contours; and
 - (h) The *project* design incorporates *best management practices* for dewatering *excavated* areas.
- 67) Replacement of *existing* or approved bridges and culverts other than those exempt pursuant to Rule 6.03(B) only where:
- (a) The replacement structure is similar to the *existing* structure in terms of physical size, invert elevations and flow capacity;
 - (b) Soil disturbance and construction activity in flowing water are reduced to the maximum extent possible; and
 - (c) The replacement structure accommodates and provides for *wildlife* passage where applicable.
- 78) Driveway and access road construction over watercourses such as drainage ditches, and areas subject to storm flowage only where:
- (a) The watercourse and its adjacent banks are located within heavily developed residential, commercial or industrial areas;
 - (b) The driveway or access road is designed only to widths necessary to safely pass vehicles;

- (c) The watercourse is not within another type of wetland such as a swamp, marsh, bog, pond or other emergent, shrub, or *forested wetland*, *special aquatic site*, ~~area of land within fifty feet (50')~~ perimeter wetland, or riverbank, ~~or flood plain~~;
 - (d) All culverts are designed to meet the protection requirements of wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values as specified in these Rules; and
 - (e) All flood displacement issues in these Rules are addressed.
- 89) Rhode Island Department of Transportation roadway improvements to existing or approved state roads and highways only where:
- (a) *Alterations* are maintained within the *existing* limits of road or highway slopes and shoulders;
 - (b) Drainage patterns are maintained similar to previous conditions and designs; and
 - (c) The design incorporates all requirements of these Rules for changes in runoff, stormwater, culvert design, flood control, water quality and sedimentation and erosion controls.
- 910) Well and water supply line installation for individual residential lots other than those exempt pursuant to Rule 6.03(S) or 6.05(G) where:
- (a) The location of the well and water supply line are maintained outside of any *swamp*, *marsh*, *pond*, *bog*, *special aquatic site*, or other emergent, shrub, or *forested wetland*, *river*, *stream* or watercourse;
 - (b) Wells and water supply lines installed within ~~the area of land within fifty feet (50')~~ perimeter wetland or riverbank wetland meet other regulatory restrictions in these Rules, and no other *feasible* upland alternative is available;
 - (c) All wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain~~ disturbance needed for access of well drilling equipment and installation of the well and any water supply line is limited to the maximum extent possible; and
 - (d) Following installation, the wetland, ~~area(s) of land within fifty (50) feet, riverbank, and flood plain area~~ is revegetated.

Appendix 2: Significant Alterations Specific Criteria for Identifying Wetland Edges

- A. ~~Significant alterations, as defined herein are those alterations which, in the opinion of the Director, may result in a detrimental modification to the functions, values and/or basic natural capabilities associated with any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain. Functions and values of wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains are specified in Rules 3.00 and 10.02. A determination of whether a proposed project represents a significant alteration is made through the submission of a Preliminary Determination Application. (See Rule 9.03). Significant alterations require the Director to elicit public comment, determine the substance of objections received, and hold public hearings as required. The purpose of this section in the Appendix is to allow applicants and the public to determine with some likelihood what, under normal circumstances, represents a significant alteration.~~
- B. ~~The following are general types of projects which represent significant alterations. However, other types of alterations not indicated here may also be considered significant in keeping with the definition of this term. It is also important for applicants and the public to understand that project designation as a significant alteration only triggers the need for the applicant to submit an Application to Alter. A determination that a proposed project represents a significant alteration does not represent a denial of a proposed project. However, the submission of an Application to Alter does not guarantee that a permit will be issued.~~
- C. ~~The general categories of significant alterations include, but are not limited to, the following:~~
- ~~1) Alterations to wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains in the vicinity of the coast other than those allowed in Rule 6.00 which have taken place without approval or permit by the CRMC;~~
 - ~~2) Projects submitted for review which do not satisfactorily avoid, minimize or mitigate impacts to freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains;~~
 - ~~3) Projects which appear to propose random, unnecessary and/or undesirable alterations to wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains;~~
 - ~~4) Projects which alter the natural character, functions and values of any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain so that the alteration:
 - ~~(a) Could result in permanent change of any portion of any swamp; marsh; pond; bog; special aquatic site; emergent, submergent, shrub or forested wetland; river; stream; intermittent stream or other watercourse from wetlands to upland;~~
 - ~~(b) Could result in the detrimental modification of the biological, chemical, and/or hydrologic characteristics of any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain areas which could reduce the natural values associated with the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;~~
 - ~~(c) Could reduce the natural value of any area of land within fifty feet (50'), and/or one hundred foot (100') and two hundred foot (200') riverbank through permanent loss or change in natural characteristics;~~
 - ~~(d) Could displace any flood waters;~~
 - ~~(e) Could increase flooding by change in runoff;~~
 - ~~(f) Could reduce the recharge and/or discharge value of any wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;~~
 - ~~(g) Could reduce river, stream, or intermittent stream flows as a result of diversion or withdrawal of water;~~
 - ~~(h) Could result in the permanent change or conversion from one habitat type in a wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain to another; or~~
 - ~~(i) Could result in the disturbance or destruction of any rare species or rare wetland type, or could result in the degradation of habitat for rare species;~~~~

- 5) ~~Projects which appear to propose temporary alterations, but may lead to extensive effects on the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains and the functions and values associated with the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains; and~~
- 6) ~~Alterations which may, when evaluated cumulatively with other alterations, result in significant impacts to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains and the functions and values associated with the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains.~~

A. Vegetated Wetlands

- 1) The landward edge of vegetated wetlands (i.e., bogs; marshes; swamps; emergent, shrub or forested wetlands; or similar types, including wetland complexes of these types), shall, under normal conditions, be identified as the place where the plant community associated with the vegetated wetland is no longer dominated by hydrophytes/hydrophytic vegetation (i.e., the plant community is composed of less than or equal to fifty percent (50%) hydrophytes/hydrophytic vegetation).
- 2) Hydrophytes/hydrophytic vegetation includes, but is not limited to:
 - (a) Those typical plant species listed in the Act under Sections 2-1-20 (1) "bog", (5) "marsh" and (10) "swamp"; or
 - (b) Those plant species listed as having a wetland indicator status of Obligate (OBL) according to the most recent edition of the National List of Plant Species That Occur in Wetlands: Rhode Island (National List), as prepared by the U.S. Fish and Wildlife Service; or
 - (c) Those plant species listed as having a wetland indicator status of Facultative Wetland (FACW), Facultative (FAC) or Facultative Upland (FACU) according to the National List, where such plants are present along with other clear hydrologic indicators of wetland.
- 3) Where no distinct edge is apparent based upon examination of vegetation alone (e.g., the plant community is transitional in nature and dominated by species having an indicator status of FACW, FAC or FACU), other hydrologic indicators must be considered before determining the location of the landward edge of vegetated wetlands. Where such indicators are present, the FACW, FAC, or FACU plant species are considered hydrophytes/hydrophytic vegetation; however, the landward edge of vegetated wetland in such transitional areas is located where other hydrologic indicators are no longer present.
- 4) Other hydrologic indicators are those characteristics, other than vegetation, which provide evidence that an area is continuously or periodically saturated, inundated, flooded, or ponded; has standing or slowly moving water; or frequently collects surface run-off or drainage. Examples of other hydrologic indicators include, but are not limited to, the following: (Note: Those features followed by an asterisk (*) are valid indicators only when at least one additional hydrologic indicator is present.)
 - Morphologic features or properties associated with hydric soils in accordance with the most recent version of the Field Indicators for Identifying Hydric Soils in New England.
 - Visual observation of soil saturation within twelve inches (12") of the soil surface (considering both seasonal and recent weather conditions);
 - Distinct water marks on vegetation or other fixed objects;*
 - Sulfitic materials (H₂S – rotten egg odor) within twelve inches (12") of the soil surface;
 - Mound and pool microtopography;*
 - Patches of peat mosses (*Sphagnum spp.*)
 - Soil morphologic evidence of recent or periodic flooding (e.g., stratification associated with

- flood plains);*
 - Visual observation of surface inundation (considering both seasonal and recent weather conditions);*
 - Dark or water-stained leaves on the ground surface;*
 - Drift or wrack lines of water-borne materials; *
 - Wetland drainage features or patterns such as scoured channels;*
 - Morphological plant adaptations (e.g., buttressed trees trunks, adventitious roots, exposed or shallow root systems);*
 - Distinct or prominent pore linings (oxidized rhizopheres) along live roots within twelve inches (12") of the soil surface.*
- 5) For purposes of locating and identifying the *edge* of vegetated wetlands for applications submitted to the CRMC, the CRMC will accept the methodology described and incorporated within the Corps of Engineers Wetlands Delineation Manual, Technical Report Y - 87-1, January, 1987, Prepared for: Department of The Army, U.S. Army Corps of Engineers, (Corps) in addition to the Corps' September 9, 1991 regulatory guidance letter regarding Guidance for the Interpretation of Wetland Boundaries Using the 1987 Corps Manual in the Six New England States under the following conditions:
- (a) The use of this methodology is intended to facilitate the location and identification of the *edge* of "vegetated" wetlands, but must not be interpreted as redefining wetlands regulated under the Act and these Rules. For example, the *area of land within fifty feet (50')* of any *bog; marsh; swamp; or pond* is a regulated wetland according to Section 2-1-20(4) of the Act; however, the Manual, for purposes of Section 404 of the Clean Water Act, will refer to these areas as "nonwetlands."
 - (b) All *edge* locations and delineations are subject to the CRMC's review and acceptance under the procedures set forth in Rule 8.02 for Requests to Determine the Presence of Wetlands. Accordingly, all requests to verify the *edge* of these types of wetlands will require on-site inspection and analysis.
 - (c) Areas discovered during the delineation of *freshwater wetlands* which appear to have altered conditions (e.g., removal of vegetation, ditching, draining, filling or other *alterations* that have changed or appear to change normal conditions) must be documented.

B. Perimeter Wetlands

The *edge* of perimeter wetlands shall be identified as the line fifty feet (50') from the landward *edge* of any *bog, marsh, swamp, or pond*.

C. Flowing and Standing Water Wetlands

The *edge* of *rivers, streams, intermittent streams, ponds, special aquatic sites*, areas subject to storm flowage, areas subject to flooding and other areas dominated by open or flowing water shall be identified as follows:

- 1) The *edge* of *rivers, streams, intermittent streams, ponds, special aquatic sites*, areas subject to storm flowage, areas subject to flooding and other areas dominated by open or flowing water shall be the ordinary high water mark of standing or flowing water. The ordinary high water mark is the line separating land flooded at high water and land exposed at high water. This line may be determined and documented by using recorded hydrologic data (e.g., data obtained from site specific planning and design documents; in-stream flow studies; *stream* gauge data; the CRMC's file data; or flood data), or, in the absence of these, by observing physical characteristics, such as

evidence of a clear demarcation line between terrestrial and aquatic conditions as a result of standing or flowing water; shelving; permanent watermarks and stains on woody vegetation or other fixed objects, such as bridges, stones, walls, docks, or piers; changes in the character of the soil; the presence of water-borne natural litter and debris; evidence of surface scouring; or other appropriate means.

- 2) The edge of any pond and incoming or outgoing flowing body of water shall be that location where characteristics associated with a lentic ecosystem and a lotic ecosystem are both present.

D. Riverbank Wetlands

The edge of riverbank wetlands along a river, stream, intermittent stream, or flowing body of water shall be determined by the method described herein:

- 1) The CRMC may compile designated riverbank widths for flowing water body segments and maintain this information on file. Such designations shall be based upon currently available maps, aerial photographs, observations, and past determinations by the CRMC. All applicants may consult with the CRMC regarding the availability of designated riverbank widths along any flowing bodies of water segments in the project area. If a riverbank width has been determined by the CRMC, this designation can be used to preclude the need for the applicant to undertake field measurements or observations.
- 2) When designated riverbank widths are not available, the identification and assignment of a riverbank width shall, if the width is not obvious, be conducted using the following method:
- (a) The width of the flowing body of water shall be measured along the channel's length at a minimum of five (5) locations upstream and at a minimum of five (5) locations downstream from a measured midpoint within the project area or area of concern.
- (i) The measurements shall be taken at the midpoint, and at approximately equal intervals along the channel's length with the minimum distance between intervals not less than twenty feet (20') and the maximum distance between intervals not exceeding fifty feet (50').
- (ii) The midpoint of the measurements shall be near the midpoint of the project area or area of concern.
- (iii) The measurements shall be taken between the edges of the flowing body of water or channel as delineated according to paragraph C (1) above.
- (iv) All measurements shall be taken at locations that are representative of the water body segment, must be documented as to the locations, and must be able to be reproduced. Measurements taken at any human-induced restrictions which are less than the natural conditions or within sections of the flowing body of water subject to unauthorized alterations are not applicable or acceptable.
- (b) The arithmetic average or mean of the channel width measurements shall serve as the average channel width for the purposes of assigning riverbank. The mean shall be calculated using the formula:

$$\frac{X_1 + X_2 + \dots + X_n}{n}$$

where "X" equals each channel width measurement and "n" equals the number of measurements.

- (c) When the mean channel width is less than ten feet (10'), the *riverbank* wetland shall be one hundred feet (100'). When the mean channel width is ten feet (10') or more, the *riverbank* wetland shall be two hundred feet (200').

E. Flood Plain Wetlands

The *edge* of any *flood plain* shall be identified as the maximum horizontal extent of flood water which will result from the statistical 100-year frequency storm event.

- 1) The 100-year *flood plain* elevation shall be determined by the most recently available flood profile data prepared under the National Flood Insurance Program of the Federal Emergency Management Agency (FEMA); or
- 2) In the event that FEMA flood profile data are unavailable, or if the applicant disagrees with the data, the *flood plain edge* shall be determined by engineering calculations completed by a registered professional engineer. These calculations shall be:
 - (a) Based upon a widely accepted hydrologic and hydraulic model (e.g., HEC-RAS). The applicant must demonstrate that the selected model is appropriate for the determination; and
 - (b) Based upon a design storm of at least seven inches (7") of precipitation in twenty-four (24) hours (a Type III rainfall as defined by the National Weather Service).
- 3) The *flood plain edge* must coincide with the *flood plain* elevation and topographic contour elevations as depicted on submitted plans. Transposing flood boundaries from FEMA maps by using horizontal scaling is not acceptable for plans submitted to the CRMC. Identification of the 100-year flood elevation must be expressed in North American Vertical Datum (NAVD 1988) as related to Mean Sea Level.

Appendix 3: Impact Avoidance and Minimization

A. Impact Avoidance

As required in Rule 10.01, the applicant must consider and address, at a minimum, the following issues in order to satisfactorily demonstrate to the CRMC that all impacts to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains functions and values have been avoided to the maximum extent possible, and that all alternatives to the proposed alterations which would not alter the natural character of any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains were considered and cannot be accomplished:

- 1) Description of the primary purpose of the proposed project;
- 2) Whether the primary proposed activity is water dependent, or if it requires access to freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains as a central element of its primary purpose (e.g., a pier);
- 3) Whether there are any areas within the same property or other property owned or controlled by the applicant that could be used to achieve the same project purpose without altering the natural character of any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains;
- 4) Whether there are any other properties not currently owned or controlled by the applicant but which are reasonably available to the applicant that would not involve wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain alterations and could be used to achieve the same project purpose;
- 5) Whether there are alternative designs, layouts, or technologies that could be used to avoid freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains or impacts on wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values on the subject property or reasonably available properties which would achieve the same project purpose, and whether these design alternatives are feasible;
- 6) Description of all attempts applicant has made to overcome or remove such constraints as zoning, infrastructure, parcel size, or other similar constraints in order to avoid wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain alterations; and
- 7) Whether the available alternatives which would not alter the natural character of any freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains on the subject property or reasonably available properties, if incorporated in the proposed project, would result in significant adverse consequences to the public health and safety, and/or the environment.

B. Impact Minimization

As required in Rule 10.01, the applicant must consider and address, at a minimum, the following issues in order to satisfactorily demonstrate to the CRMC that all impacts to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values cannot be avoided, and therefore have been reduced to the maximum extent possible;

- 1) Whether the proposed project is necessary at the proposed scale and whether the scale of the alteration could be reduced and still achieve the same primary project purpose;
- 2) Whether the proposed project is necessary at the proposed location or whether another location within the site could achieve the same primary project purpose while resulting in less impact to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain;
- 3) Whether there are alternative designs, layouts, densities, or technologies that are feasible, and which would result in less impact to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain while still achieving the same project purpose; and
- 4) Whether reduction in the scale of the proposed project or relocation to minimize impact to the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain would result in significant adverse consequences to public health and safety and/or the environment.

Appendix 4: Specific Criteria for Identifying Wetland Edges

A. Vegetated Wetlands

- 1) The landward edge of vegetated wetlands (i.e., bogs; marshes; swamps; emergent, shrub or forested wetlands; or similar types, including wetland complexes of these types), shall, under normal conditions, be identified as the place where the plant community associated with the vegetated wetland is no longer dominated by hydrophytes/hydrophytic vegetation (i.e., the plant community is composed of less than or equal to fifty percent (50%) hydrophytes/hydrophytic vegetation).
- 2) Hydrophytes/hydrophytic vegetation includes, but is not limited to:
 - (a) Those typical plant species listed in the Act under Sections 2-1-20(a) "bog", (f) "marsh" and (h) "swamp"; and/or
 - (b) Those plant species listed as having a wetland indicator status of Obligate (OBL) according to the most recent edition of the National List of Plant Species That Occur in Wetlands: Rhode Island (National List), as prepared by the U.S. Fish and Wildlife Service; and/or
 - (c) Those plant species listed as having a wetland indicator status of Facultative Wetland (FACW), Facultative (FAC) and/or Facultative Upland (FACU) according to the National List, where such plants are present along with other clear hydrologic indicators of wetland.
- 3) Where no distinct edge is apparent based upon examination of vegetation alone (e.g., the plant community is transitional in nature and dominated by species having an indicator status of FACW, FAC or FACU), other hydrologic indicators must be considered before determining the location of the landward edge of vegetated wetlands. Where such indicators are present, the FACW, FAC, or FACU plant species are considered hydrophytes/hydrophytic vegetation; however, the landward edge of vegetated wetland in such transitional areas is located where other hydrologic indicators are no longer present.
- 4) Other hydrologic indicators are those characteristics, other than vegetation, which provide evidence that an area is continuously or periodically saturated, inundated, flooded, or ponded; has standing or slowly moving water; or frequently collects surface run-off and/or drainage. Examples of other hydrologic indicators include, but are not limited to, the following: (Note: Those features followed by an asterisk (*) are valid indicators only when at least one additional hydrologic indicator is present.)
 - Morphologic features or properties associated with hydric soils;
 - Visual observation of soil saturation within twelve inches (12") of the soil surface;
 - Distinct water marks on vegetation and/or other fixed objects;*
 - Sulfidic materials (H₂S—rotten egg odor) within twelve inches (12") of the soil surface;
 - Mound and pool microtopography;*
 - Patches of peat mosses (*Sphagnum spp.*)
 - Soil morphologic evidence of recent and/or periodic flooding (e.g., buried soil surface horizons and/or stratification associated with flood plains);*
 - Visual observation of surface inundation (considering both seasonal and recent weather conditions);*
 - Dark or water stained leaves on the ground surface;*
 - Drift or wrack lines of water borne materials;*
 - Wetland drainage features or patterns such as scoured channels;*
 - Morphological plant adaptations (e.g., buttressed trees trunks, adventitious roots, exposed or shallow root systems);*
 - Distinct or prominent pore linings (oxidized rhizopheres) along live roots within twelve inches (12") of the soil surface.*
- 5) For purposes of locating and identifying the edge of vegetated wetlands for applications submitted to the CRMC, the CRMC will accept the methodology described and incorporated within the Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, January, 1987, Prepared for: Department of The Army, U.S. Army Corps of Engineers, (Corps) in addition to the Corps' September 9, 1991 regulatory guidance letter regarding Guidance for the Interpretation of Wetland Boundaries Using the 1987 Corps Manual in the Six New England States under the following conditions:

(a) — The use of this methodology is intended to facilitate the location and identification of the edge of "vegetated" wetlands, but must not be interpreted as redefining wetlands regulated under these Rules.

(b) — All edge locations and delineations are subject to CRMC review and acceptance under the procedures set forth in Rule 9.02 for Requests to Determine the Presence of Wetlands. Accordingly, all requests to verify the edge of these types of wetlands will require on-site inspection and analysis.

(c) — Areas discovered during the delineation of freshwater wetlands which appear to have altered conditions (e.g., removal of vegetation, ditching, draining, filling or other alterations that have changed or appear to change normal conditions) must be documented.

B. — Area of Land within Fifty Feet (50')

The edge of the area of land within fifty feet (50') shall be identified as the line fifty feet (50') from the landward edge of any bog, marsh, swamp, or pond.

C. — Flowing and Standing Water Wetlands

The edge of rivers, streams, intermittent streams, ponds, special aquatic sites, areas subject to storm flowage, and other areas dominated by open or flowing water shall be identified as follows:

1) — The edge of rivers, streams, intermittent streams, ponds, special aquatic sites, areas subject to storm flowage, and other areas dominated by open or flowing water shall be the ordinary high water mark of standing or flowing water. This edge may be determined and documented using recorded hydrologic data (i.e., data obtained from site specific planning and design documents; in-stream flow studies; stream gauge data; Rhode Island Department of Environmental Management file data; flood data), or, in the absence of these, by observations such as evidence of clear demarcation lines between terrestrial and aquatic conditions as a result of standing or flowing water; permanent watermarks and stains on woody vegetation or other fixed objects, such as bridges, stones, walls, docks, or piers; or evidence of surface scouring.

2) — The edge of any pond and incoming or outgoing flowing body of water shall be that location where characteristics associated with a lentic ecosystem and a lotic ecosystem are both present.

D. — Riverbanks

The edge of riverbanks along a river, stream, intermittent stream, or flowing body of water shall be determined by the method described herein:

1) — The CRMC may compile designated riverbank widths for flowing water body segments and maintain this information on file. Such designations shall be based upon currently available maps, aerial photographs, observations, and past determinations by the DEM or CRMC. All applicants may consult with the CRMC regarding the availability of designated riverbank widths along any flowing bodies of water segments in the project area. If a riverbank width has been determined by the DEM or CRMC, this designation can be used to preclude the need for the applicant to undertake field measurements or observations.

2) — When designated riverbank widths are not available, the identification and assignment of a riverbank width shall, if the width is not obvious, be conducted using the following method:

(a) — The width of the flowing body of water shall be measured along the channel's length at a minimum of five (5) locations upstream and at a minimum of five (5) locations downstream from a measured midpoint within the proposed project area or area of concern.

(i) — The measurements shall be taken at the midpoint, and at approximately equal intervals along the channel's length with the minimum distance between intervals not less than twenty feet (20') and the maximum distance between intervals not exceeding fifty feet (50').

(ii) — The midpoint of the measurements shall be near the midpoint of the project area or area of concern.

(iii) — The measurements shall be taken between the edges of the flowing body of water or channel as delineated according to paragraph C(1) above.

(iv) — All measurements shall be taken at locations that are representative of the water body segment, must be documented as to the locations, and must be able to be reproduced. Measurements taken at any human-induced restrictions which are less than the natural conditions or within sections of the flowing body of water subject to unauthorized alterations are not applicable or acceptable.

(b) — The arithmetic average or mean of the channel width measurements shall serve as the average channel width for the purposes of assigning riverbank. The mean shall be calculated using the formula:

$$\frac{X_1 + X_2 + \dots + X_n}{n}$$

_____n

where ~~X~~ equals each channel width measurement and ~~n~~ equals the number of measurements.

(c) _____ When the mean channel width is less than ten feet (10'), the riverbank area shall be one hundred feet (100'). When the mean channel width is ten feet (10') or more, the riverbank area shall be two hundred feet (200').

E. Flood Plain Wetlands

The edge of any flood plain shall be identified as the maximum horizontal extent of flood water which will result from the statistical 100 year frequency storm event.

1) _____ The 100 year flood plain elevation shall be determined by the most recently available flood profile data prepared under the National Flood Insurance Program of the Federal Emergency Management Agency (FEMA); or

2) _____ In the event that FEMA flood profile data is unavailable, or if the applicant disagrees with the data, the flood plain edge shall be determined by engineering calculations completed by a registered professional engineer. These calculations shall be:

(a) _____ Based upon a widely accepted hydrologic and hydraulic model (e.g., HEC-2). The applicant must demonstrate that the selected model is appropriate for the determination; and

(b) _____ Based upon a design storm of at least seven inches (7") of precipitation in twenty four (24) hours (a Type III rainfall as defined by the National Weather Service).

3) _____ The flood plain edge must coincide with the flood plain elevation and topographic contour elevations as depicted on submitted plans. Transposing flood boundaries from FEMA maps by using horizontal scaling is not acceptable for plans submitted to the CRMC. Identification of the 100 year flood elevation must be expressed in National Geodetic Vertical Datum as related to Mean Sea Level.

Appendix 5: Site Plan Requirements

A. — The correct number of site plans required by the application package must be provided at the time of submission. If additional plans are required, the applicant will be informed and must submit the required sets of plans.

B. — All site plans must be drawn to scale. The scale of all plans must be no smaller than one inch = one hundred feet, (1"=100'); however, a larger scale of one inch = forty feet (1"=40'), for example, is preferred. Where additional detail is required to complete his/her evaluation, the Director may require larger scaled details.

C. — All site plans indicating physical features, distances, contour elevations, property lines, or other information provided as base line data must clearly note whether such information was obtained by on-site survey, by aerial photogrammetry sources, or by reproduction from other maps and/or plans. Site plan information obtained from aerial photogrammetry sources or by reproduction from other plans and/or maps must provide an estimate of the maximum possible horizontal and/or vertical error between the information provided and the actual on-site conditions. Site plans developed from on-site surveys must clearly note what class or standard the survey meets.

D. — All site plans must be at least 8 1/2" x 11" in size but no larger than 24" x 36".

E. — All site plans depicting projects submitted for review and/or approval must have all markings permanently fixed. Site plans which are pieced together with tape or contain markings of pen, pencil, crayon, markers or other items which can be changed or altered at a later date are not acceptable. Blue-line or blackline prints or photocopies of originals are acceptable.

F. — All site plans must contain a title block, original date of the plan and latest revision date of the plan if applicable. The title block must include the name of the person or party involved, the proposed project title if any, the principal street/road abutting the site, the tax assessor's plat and lot number(s), the city or town, the name of the preparer and the scale of the plan.

G. — All site plans must depict at least the following:

- 1) — Street abutting the site with fixed reference points, (e.g., utility poles and numbers, house and number, and any other similar structures);
- 2) — Distance and direction to nearest street intersection;
- 3) — Magnetic North Arrow;
- 4) — Entire property boundary outline and dimension;
- 5) — Insert map showing location of site in the community;
- 6) — Any other fixed referenced points including, but not limited to, stone walls, buildings, fences, edge of fields/woods, trails, access roads, and parking lots;
- 7) — Scale of plans; and

D. Location of any coastal feature.

H. — Site plans prepared by a licensed or registered professional must contain the stamp of the professional affixed to each sheet prepared along with the date and the signature of the professional.

I. — All site plans containing more than one (1) sheet must be numbered consecutively.

J. — All site plans must contain a legend which explains all markings and/or symbols.

K. — When verification of wetland edges are requested, or approval or review of a proposed project is being requested, all site plans must accurately reflect the following:

- 1) — The edge of any swamp; marsh; bog; pond; emergent, submergent, shrub, or forested wetland; or any special aquatic site;
- 2) — The edge of any river, stream, intermittent stream, area subject to flooding and/or storm flowage;
- 3) — The edge of any area of land within fifty feet (50');
- 4) — The edge of any one hundred foot (100') or two hundred foot (200') riverbank;
- 5) — The edge and elevation of any flood plain and the limit of any floodway; Note: The CRMC may grant an exception to this requirement when pre-determined 100-year flood elevations are not

available from published sources including previous engineering studies, and a registered professional engineer provides clear and convincing documented evidence that the project site is above any probable 100 year flood elevation; and

6) ~~_____ The name of any surface or flowing water body or any other wetland where applicable.~~

13) ~~The location of any coastal feature.~~

L. ~~_____ All site plans for proposed projects shall include and depict the following where applicable:~~

1) ~~_____ Where changes to existing grades are proposed, the plan shall show both existing and proposed contour line elevations at maximum intervals of two (2') feet. Where no changes to grades are proposed, include a notation which so indicates;~~

2) ~~_____ Profiles and/or cross sections drawn to scale;~~

3) ~~_____ Proposed limits of all vegetative clearing and surface or subsurface disturbance;~~

4) ~~_____ All temporary and permanent erosion and sediment controls;~~

5) ~~_____ All temporary and permanent stormwater, flood protection and/or water quality management controls, and all best management practices;~~

6) ~~_____ All proposed measures to conduct, contain or otherwise control the movements of surface water, groundwater, or stormwater flows; and the ultimate destination of such flows;~~

7) ~~_____ Any and all construction activities either above or below the earth's surface which may affect any wetland including the height of planned buildings; and~~

8) ~~_____ Any additional specific requirements contained in the application package checklist for proposed projects must be provided as needed.~~

M. ~~_____ Site plans submitted for an Application to Alter must bear the stamp and signature of a registered professional engineer.~~

Appendix 6: ~~Written Evaluation—Required Elements~~

As required in Rule 10.03, and in addition to the evaluation requirements set forth in Rule 10.03 (C),(D),(E),(F),(G), and (H), the written evaluation of wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions, values and impacts must, at a minimum, include and address the following elements:

A. ~~Table of Contents~~

List any section titles and their page numbers.

B. ~~Introduction~~

Provide an overall project description which includes project size, purpose, location and type; site history, and overall areas evaluated including nearby roadways and adjacent land uses.

C. ~~Evaluation Methodology~~

Identify the scientific techniques and methods which were used to complete the evaluation, including the dates and times of observations and field studies and the result of such observations and field studies. Identify each, if any, specific evaluation methodology which was used, and identify and describe any deviation from the methodology with reasons behind the deviation, and any assumptions made with a specific methodology. Identify and describe any limitation placed upon the study or evaluation which could affect the outcome of the results.

D. ~~Qualifications~~

List the names and qualifications of each person involved in the evaluation. (See Rule 12.00). Assessment of wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values and impacts may require input by more than one qualified professional consultant or more than one individual familiar with the specific functions and/or values of the wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain. (See Rule 10.00). The name, address and background of any individuals consulted for the evaluation must be submitted as well as a description of the extent of their participation.

E. ~~Proposed Measures to Reduce Impact~~

Identify and describe the proposed measures, structural and/or non-structural methods, or best management practices that will be implemented to reduce or eliminate harm to wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values and detail why and how such measures will protect wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain functions and values. Such measures, methods, or best management practices include, but are not limited to:

- 1) ~~Designing dense plantings of shrubs and trees between development and remaining natural areas to "buffer" impacts from loss of wildlife habitat and natural areas and to reduce the effects of noise, lighting and other disturbances upon wildlife and remaining natural areas;~~
- 2) ~~Preserving natural areas in and around wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains;~~
- 3) ~~Minimizing the extent of disturbed areas and encouraging the preservation of land in its natural state;~~
- 4) ~~Ensuring the maintenance of fish and other wildlife passage;~~
- 5) ~~Designing structures and alterations outside of flood plain, floodway, areas subject to flooding, flowing bodies of water or other freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains;~~
- 6) ~~Using best management practices for the stabilization of disturbed areas and the selection, use, and maintenance of temporary and/or permanent soil erosion and sediment controls in accordance with or equivalent to the latest version of the Rhode Island Soil Erosion and Sediment Control Handbook;~~
- 7) ~~Using best management practice selection and design criteria in accordance with or equivalent to the Rhode Island Stormwater Design and Installation Manual to maximize the control, treatment and maintenance of stormwater flows;~~
- 8) ~~Minimizing impervious surface areas such as roads, parking, paving or other surfaces;~~
- 9) ~~Incorporating compensatory flood storage area(s) where necessary, and in compliance with these Rules;~~
- 10) ~~Encouraging infiltration of non-contaminated run-off;~~

- 11) — ~~Preventing channelization or piping of run-off and encouraging sheet flow;~~
- 12) — ~~Landscaping with low slopes to maximize sheet flow and infiltration while minimizing channelization;~~
- 13) — ~~Incorporating structural methods such as detention basins, wet basins, infiltration basins and trenches, dry wells, galleys, vegetated swales and vegetated filter strips;~~
- 14) — ~~Minimizing or eliminating the use of, or any increase of, any pollutant, fertilizers, pesticides, herbicides, or any other chemical or organic application which increases pollutant and nutrient loadings;~~
- 15) — ~~Maximizing setbacks of septic systems and other land disturbances from wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains; and~~
- 16) — ~~Minimizing the withdrawal of water from wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains and minimizing any reduction in river or stream flow.~~

F. — Freshwater Wetlands

~~Describe all freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains on-site as well as any off-site which are hydrologically connected to the on-site wetland, area(s) of land within fifty (50) feet, riverbank, and flood plain(s); and identify all wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains evaluated, including any areas of potential impact associated with the proposed project within freshwater wetland, area(s) of land within fifty (50) feet, riverbank, and flood plains.~~

G. — Conclusion

~~Identify and detail how the proposed project meets the review criteria as set forth in Rule 11.02. Describe any measures to reduce impacts which were considered and rejected and indicate why they cannot or should not be employed.~~

H. — Literature Citations

~~Provide citations for all literature used to support the evaluation.~~